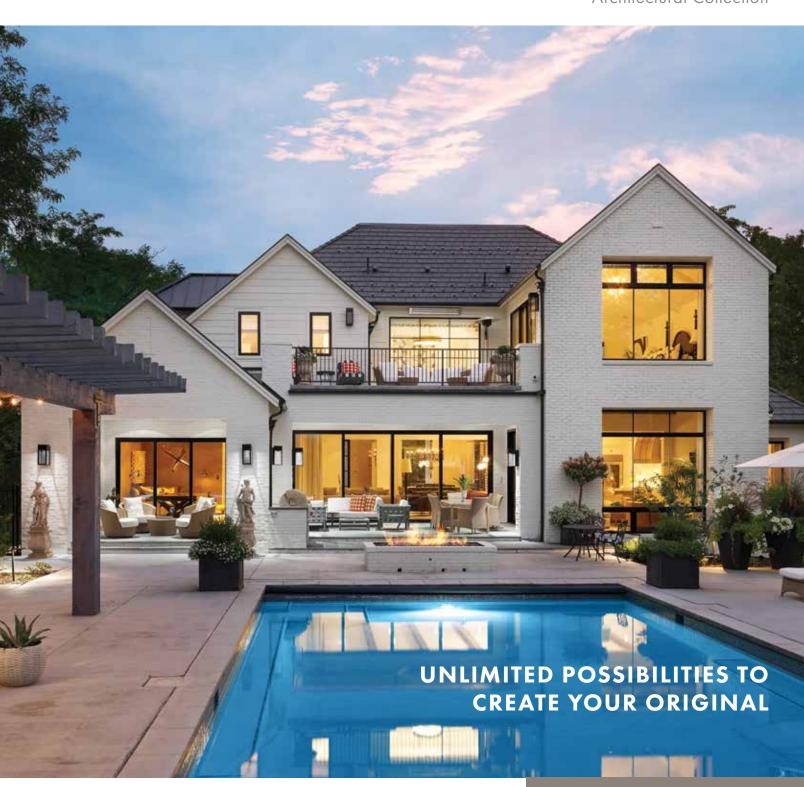


# **E-SERIES**Architectural Collection



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For warranty information, visit **andersenwindows.com/warranty**.



Throughout this product guide, when you see the arrow icon, click for more information.

Andersen Corporation, including its subsidiaries, has been named a 2023 ENERGY STAR Partner of the Year.



Andersen Corporation, including its subsidiaries, has been named a 2020 ENERGY STAR  $^{\otimes}$ Partner of the Year – Sustained Excellence Award winner, the highest honor given by ENERGY STAR for continued leadership in protecting the environment through superior energy efficiency achievements.









# **E-SERIES WINDOWS & PATIO DOORS**

E-Series windows and patio doors are made to your exact specifications for unmatched flexibility and design freedom. These premier products allow you to create custom shapes, dramatic sizes and striking combinations to set your work apart. 50 standard exterior colors, custom colors and anodized finishes, plus a range of interior wood species and beautiful interior stains. Or, if your customers want something even more distinctive, we can source virtually any wood species they desire. If it's possible, it's possible with E-Series windows and patio doors. For more information, visit andersenwindows.com/e-series.

# **MADE STRONG**

Aluminum is a distinguishing element that enables us to offer the strength, beauty and design freedom for which E-Series products are known. Through decades of innovation, we have elevated the extruded aluminum-clad window and patio door category and perfected a made-to-order process that is unsurpassed.

### **STRENGTH**

We harness the full strength of aluminum with heavy gauge, extruded aluminum-clad wood sash and frames. Our thick cladding offers greater structural capabilities than thinner, roll-form aluminum, while providing a superior exterior finish that resists the elements of inclement weather, abrasion and impact.\*

### **BEAUTY**

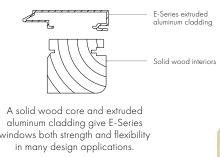
Aluminum offers a smooth finish and versatility in design that enables us to create windows and doors with distinctive character and unparalleled beauty. It provides an essential foundation for our quality, baked-on silicone polyester finish, and it enables us to offer a broad array of unique accessory metals to create or recreate the architectural style you need. And beauty doesn't stop on the outside — we give you the design freedom you need to create a look of distinction both inside and out.

### **VERSATILITY**

Aluminum's strength and versatility allow us to offer beautiful made-to-order design solutions for practically any combination of shapes and styles you can imagine. We offer dozens of exterior accessory metals to match any architectural style, and our colorful 2-, 3- and 4-tone exteriors truly broaden your creative palette.

### **DURABILITY**

Our aluminum cladding withstands nature's toughest elements — the extrusions slide onto the wood and are secured independently, allowing both wood and aluminum to expand and contract naturally. Our products are engineered to open, close, support, swing or slide reliably day after day.\*





# **ENGINEERED FOR PERFORMANCE & DURABILITY**

### **ENERGY-SAVING GLASS FOR ANY CLIMATE**

Andersen makes windows and patio doors with options that make them ENERGY STAR® v. 6.0 certified throughout the United States. Visit andersenwindows.com/energystar for more information and to verify that the product with your glass option is ENERGY STAR certified in your area.



### **LOW-MAINTENANCE EXTERIORS**

Baked-on silicone polyester enamel exteriors offer virtually maintenancefree performance and durability. They're warranted for 10 years against chalking and color change and for 20 years against cracking, checking, peeling, flaking, blistering and loss of adhesion.\*

E-Series offers a range of anodized and AAMA 2604 and AAMA 2605 rated paint finishes for unsurpassed design flexibility to complement and enhance any design aesthetic. These finishes help provide long term cosmetic and functional protection due to their resistance to moisture, UV radiation, weathering and ozone.



### Coastal Windows DISCONTINUED

### **PROTECTION FOR COASTAL AREAS**

E-Series windows and patio doors with Stormwatch® Protection meet building code requirements in many Gulf and Atlantic coast states. See your local building code official for specific requirements. Visit andersenwindows.com/coastal

for more information.



### **BUILT FOR YEARS** TO COME

Our renowned Owner-2-Owner® limited warranty is fully transferrable and not prorated, making it one of the best coverage plans available - which means it can add resale value for your customers. It's also supported by the industry's largest service network.\*



<sup>\*</sup>Visit andersenwindows.com/warranty for details.



# **CONTEMPORARY STYLE**

Modern home styles incorporate clean lines, simple forms and open floor plans. They often feature floor-to-ceiling windows or doors with narrow profiles to maximize light and view, have multiple units arranged in rectangular groupings and use dark colors or metal finishes. E-Series products are available in these options to let you create a contemporary style.



Interior of black hinged patio door with a contemporary panel (3 11/16" profile)

### **CONTEMPORARY DESIGNS**

Dark colors and narrow profile options on windows, patio doors and even grille options offer a truly contemporary style.



Contemporary grille profile in black with black spacer bar

### **BEAUTY**

Durable FSB® hinged door hardware features clean lines and a sleek finish for a thoroughly modern look. Choose from a satin stainless steel or black anodized aluminum finish.

See FSB hardware options on page 29.



### **SLEEK INTERIORS**

High-quality, factory-applied interior finishes offer convenience along with beauty. For a modern look, choose a black or anodized silver painted interior.

### **BRING YOUR VISION TO LIFE**

Andersen has done extensive research into many architectural styles and how windows and patio doors play a critical role in achieving them. We've compiled it all into our Home Style Library. Whether you're looking for a modern home style or something more traditional, our library shows how easily you can achieve each style with our Andersen® products. To view our complete Home Style Library, visit andersenwindows.com/stylelibrary.



Miesian Modern



Industrial Modern



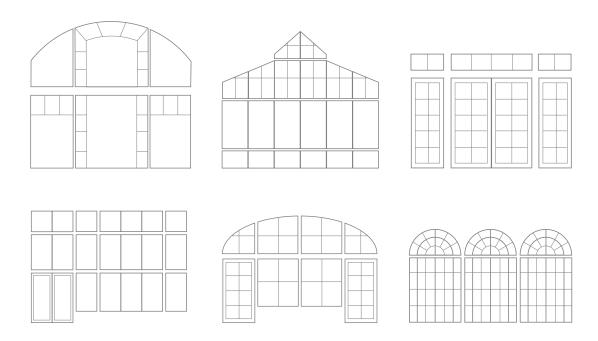
International Modern

# UNLIMITED COMBINATIONS

E-Series windows and patio doors are made to your exact design specifications. Because we make your window or door especially for you, and since our options are virtually limitless, you have the advantage of combining shapes, sizes and styles for new construction or remodeling applications.

### **BUILDING BLOCKS**

Our complete window and door styles are your building blocks for making any architectural statement. We give you the products and the design freedom you need to create the perfect solution for your project whether residential or commercial, new construction or remodeling. Unique shapes in varying combinations create focal points that become defining architectural elements.



### SIZING OPTIONS

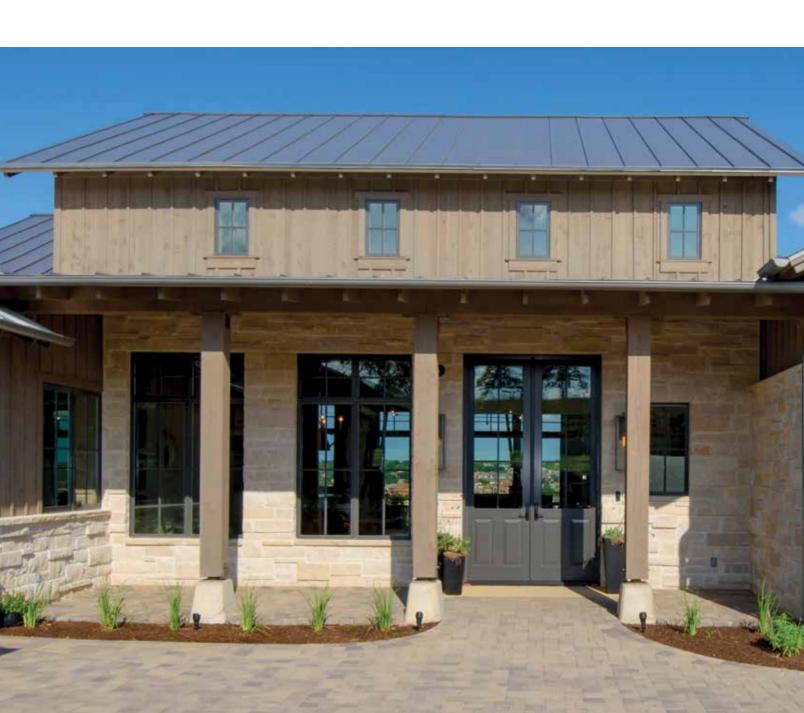
We believe you shouldn't have to settle for "close enough." Our made-to-order process enables us to make your windows and doors to the specific size you need. So when you go from inspirational sketch to architectural drawing, know that we will fulfill your design needs. We provide a thorough range of sizes for most applications and offer custom sizing anytime you need it.



# UNLIMITED EXTERIORS

Color enhances your design and is a vital element of every architectural style. We believe it shouldn't have to cost more which is why our 50 exterior colors, an industry-leading modern palette, are available at no additional cost. Add to that our 2-, 3- and 4-tone exteriors and set your E-Series windows and patio doors apart from the rest.

If your inspiration comes from an autumn leaf, a river-washed stone, a glass of fine wine or even a classic car, we will bring it to life with our custom color capabilities. And for a look of distinction, we offer seven spectacular anodized finishes that truly shine.





# **50 EXTERIOR COLORS**

Our exclusive line of exterior colors offers a broad spectrum of quality, baked-on, silicone polyester enamel exteriors that meet AAMA 2604 specification. AAMA 2605 color compliance is also available. Our limited warranty covers exteriors for 10 years against chalking and color change and 20 years against cracking, checking, peeling, flaking, blistering and loss of adhesion.\*\*

### **EXTERIOR COLORS**



### **7 ANODIZED FINISHES**

Choose from a spectacular selection of anodized finishes. Anodizing is a process that penetrates the aluminum like a stain penetrates wood. The result is a rich, lustrous metallic appearance that cannot peel or flake and is not affected by sunlight.\*\* This process produces a harder, more durable finish that makes this a perfect choice for high-traffic areas in commercial or residential buildings.





### **CUSTOM COLORS**

While our large selection of exterior colors covers a lot of ground, inspiration comes in infinite hues. Let us match a paint chip, a photograph, a favorite work of art to bring your dream color into the light of day.

### 2-, 3- AND 4-TONE EXTERIORS

With our 2-, 3- and 4-tone color combinations, the sky's the limit. Mix and match up to four of our 50 exterior colors on the frame, sash, exterior trim and grilles for a combination look that's all your own.







Sage, moss and canvas

# A RANGE OF INTERIORS

Natural wood adds character to your design and defines a room's character while creating a warm, comfortable space that leaves a lasting impression. We offer distinctive wood varieties, custom wood species and interior stain and paint options to meet your design needs.





# DISTINCTIVE WOOD SELECTIONS

Our distinctive woods add uncommon flair to any room. Each option has its own character, grain and staining capabilities, so you can select one that makes your windows stand out or one that blends seamlessly with your interior décor.

### **INTERIOR WOOD SPECIES**



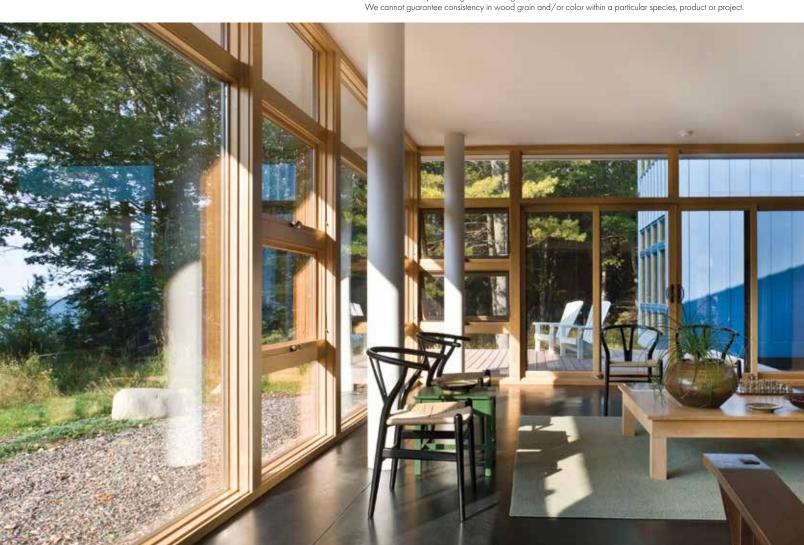
### **CUSTOM WOOD INTERIORS**

If a unique wood species is required to complete your project, we will try to source any variety that meets our production standards and your needs.

\*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Wood species shown are unfinished.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.



# **VARIETY OF INTERIOR FINISHES**

Our high-quality, factory-applied stains offer you convenience along with beauty. Before staining, each wood component is treated with a preservative and insect repellent and dried thoroughly. We apply two coats of polyurethane for a long-lasting, durable finish, and because every exposed edge is stained before the window is assembled, you get a complete, consistent finish. Choose from nine stain colors. If you prefer a painted interior, choose one of our painted or primed options.

### STAINED INTERIOR OPTIONS



Stained interior options shown on pine.

### **PAINTED INTERIOR OPTIONS**



Painted interior options available on pine.

Dark bronze and black also available on maple.

Anodized silver available on maple only.

### **CUSTOM STAINS, PAINTS & COLOR MATCHING**

When only a specific tint will do, we will create one for you, matching existing woodwork, interior furnishings or other items for just the right finish to your design.

<sup>\*</sup>Visit andersenwindows.com/warranty for details.

# **EXTERIOR & INTERIOR TRIM OPTIONS**

Details take your project from ordinary to extraordinary. The perfect finishing touches make every window and patio door an irreplaceable part of any home or commercial building. We offer the trim and accessory metals that make the final details of your project easier to complete and more beautiful to look at.

### **EXTERIOR TRIM**

Designed to add depth and traditional appeal, our exterior trim options extend outward from the window or door frame, casting a shadow line consistent with true historical applications. Choose from our extended selection of flat and profiled casings, brick mould casings and sill nose.

Match or contrast the trim with your windows and doors in any of our 50 exterior colors, custom colors and anodized finishes.



3 ½" backband and bead casing and 1½" sill nose shown on casement



3 ½" flat casing shown on hinged inswing patio door



2" brick mould and 1 ½" sill nose shown on casement



3 ½" brick mould and 1 ½" deep sill nose shown on double-hung

### INTERIOR TRIM COMPONENTS

### Extension Jambs

Pre-installed, dimensional extension jambs save time on jobsites and help enable a perfect installation. Available in all wood species, extension jambs can accommodate a wide variety of wall conditions.



### **Drywall Returns**

We offer drywall returns in three depths:

 $^{11}\!/_{16}$ ",  $^{9}\!/_{16}$ " and  $^{7}\!/_{16}$ "



### **Wood Casing**

A subtle touch around the perfect window or door makes your view even more special. Choose from four different casings and add plinth blocks at the corners for just the right touch of detail.



- A 1/2" x 3 1/4" Fluted Casing
- f B 11/16" x 2 1/4" Colonial Casing (WM366)
- © 11/16" x 2 1/4" Colonial Casing (WM356)
- D 11/16" x 2 1/4" Ranch Casing (WM324)
- € 2 ½" Plinth Block
- ∃ ½" Plinth Block

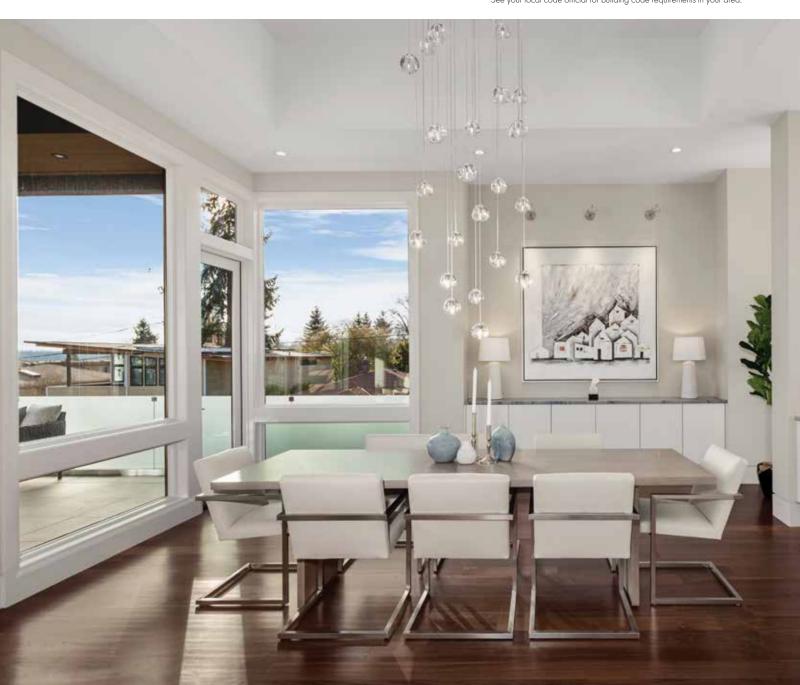


# **UNLIMITED VIEWS**

Whether your design demands performance, clarity or architectural detail, we have the glass and divided light solutions to make your views spectacular. For performance needs in a variety of environments, we offer a multitude of glass options, including our High-Performance Low-E4® glass and our exclusive Stormwatch® impact-resistant product systems for severe weather conditions.

And for visual impact, made-to-order decorative glass and grilles give you infinite possibilities, so your design will be as original as your inspiration.

\*See your local code official for building code requirements in your area.





# **GLASS OPTIONS**

We offer a multitude of glass options to meet all of your design needs. Whether you're in need of energy efficiency or resistance to harsh weather conditions, we provide the solutions for you.

**Low-E4® Glass**, our standard glass option, provides excellent insulation from heat and cold. Compared to ordinary dual-pane glass, High-Performance Low-E4 glass is up to 44% more energy efficient in winter and up to 57% more efficient in summer.\* Or consider Sun glass with its soft, glare-controlling tint.

**Low-E4 Passive Sun® Glass** is a great solution for colder climate zones where higher heat gain is desired. It allows a higher amount of the sun's heat to pass into the home, making it an ideal solution for passive solar applications.

**Low-E4 SmartSun™ Glass** combines performance with clarity — letting more light in and keeping more heat out. It blocks 95% of the sun's damaging ultraviolet rays. Enjoy the performance benefits of tinted glass without the loss of visibility.

**Triple-Pane Glass** with three panes of glass, combined with Low-E coatings, can provide enhanced energy performance. Adding triple-pane glass can produce a lower U-Factor than using regular dual-pane glass.

**HeatLock® Technology** can increase the energy efficiency of any E-Series window or door with Low-E4 or SmartSun glass. Applied to the room-side glass surface, it reflects heat back into the home and improves U-Factors, which can help the window or door meet ENERGY STAR® requirements.

**Laminated Glass** offers sound protection by reducing unwanted outside noise, making it ideal for locations like airports and high-volume traffic areas. It also provides forced entry and impact resistance.

**Decorative & Specialty Glass** options are also available. See our decorative glass collection at **andersenwindows.com/artglass** or combine beveled, frosted, grooved, colored or textured glass with three caming options to create your own design. Specialty glass includes tinted glass, spandrel glass and Mapes panels as well as rain, reeded and obscure glass options.

A removable translucent film shields glass from damage and simplifies finishing and cleaning on the jobsite.

GLASS SPACERS available in black, white and stainless steel.

LIGHT

	ENERGI		ЦВП	
GLASS	<b>U-Factor</b> How well a product prevents heat from escaping.	Solar Heat Gain Coefficient How well a product blocks heat caused by sunlight.	Visible Light Transmittance How much visible light comes through a product.	UV Protection  How well a product blocks ultraviolet rays.
SmartSun™	• • • •	• • • •	• • • •	• • • •
SmartSun with HeatLock® Coating	• • • •	• • • •	• • • •	• • • •
Low-E4®	• • • •	• • • 0	• • • •	• • • •
Low-E4 with HeatLock Coating	• • • •	• • • 0	• • • •	• • • •
Sun	• • • •	• • • •	• 0 0 0	• • • •
Passive Sun	• • • • •	• 0 0 0	• • • •	• • • •
Triple-Pane	• • • •	• • • •	• • • •	• • • •
Clear Dual-Pane	• 0 0 0	0000	• • • •	0000

**ENERGY** 

 $Center of glass performance only. \ Ratings based on glass options available as of January 2019. \ Visit www.andersenwindows.com/energystar for ENERGY STAR® map and NFRC total unit performance data.$ 

<sup>\*</sup>Winter and summer values are based on comparison of E-Series 3866 double-hung window U-Factor to the U-Factor for clear dual-pane glass non-metal frame default values from the 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables. See your Andersen supplier for actual glass samples.

"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.

# STORMWATCH® PROTECTION

Designed for use in coastal areas, these systems combine monolithic or insulated laminated glass with structural enhancements to meet or exceed the stringent code requirements of ASTM and TAS testing protocols. You get the performance you need with the design options you want.

### **PRODUCT AVAILABILITY**

double-hung\*\* and fixed windows. Impact-resistant double-hung windows utilize two or more snuggers applied to the sill, creating a structural connection between the lower sash and frame. Simply close and lock the window and it's ready to withstand even the toughest weather conditions.

We also offer a variety of coastal patio doors including inswing patio doors (impact-resistant insulated glass options only), outswing patio doors and French gliding patio doors. Surface bolts are required for impact certification of double doors.

Plus, you can select any of our 50 exterior colors, anodized finishes or custom colors. Choose from a variety of wood species, interior finishes, hardware, grille options, VeriLock® sensors and more. The only options not available on coastal products are decorative glass, blinds and shades.

### Sensors DISCONTINUED



### **PERFORMANCE & DURABILITY**

Impact-resistant glass provides windborne debris protection, reduced sound transmission and burglar resistance.

### Designed to satisfy:

- AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11
- Large missile impact test ASTM E1886/E1996
- TAS 201, 202, 203 (excluding inswing patio doors)
- Peace of mind with 24/7 protection



### Impact-Resistant Insulated Glass Options\*

- Low-E
- SmartSun™
- Bronze or Gray
- Bronze/Bronze or Gray/Gray (meets Florida Turtle Code)

### Impact-Resistant Monolithic Glass Options\*

- Low-E
- SmartSun
- Bronze, Gray or Green
- Clear



E-Series Casement 3060 HP Impact DP+65/-75 (AAMA/WDMA/CSA 101/1.S.2, A440-08 & -11). For more information, visit andersenwindows.com/e-series.

<sup>\*</sup>See your local code official for building code requirements in your area.

<sup>\*\*</sup>Double-hung windows are only available with impact-resistant monolithic bronze, gray, green and clear glass options.

# **ARCHITECTURALLY AUTHENTIC GRILLES**

We offer a variety of grille styles and patterns to choose from, or design your own with varying lines, curves and shapes.

### **FULL DIVIDED LIGHT (MODERN DIVIDED LIGHT)**

Give any window an authentic look with full divided light grilles that are permanently applied to the interior and exterior of your window with a spacer between the glass.

Available in ovolo (colonial) and contemporary profiles.



Chamfer exterior grille and ovolo interior grille profiles

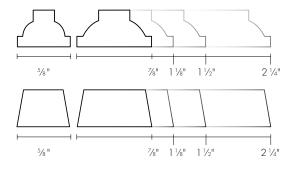
### SIMULATED DIVIDED LIGHT (CLASSIC DIVIDED LIGHT)

An economical solution with traditional beauty, our simulated divided light features fixed exterior and interior grilles without an internal spacer. Available in ovolo and contemporary profiles.

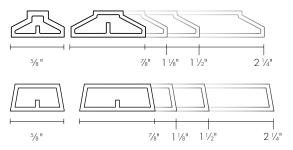


Contemporary exterior and interior grille profiles

### Interior



### Exterior

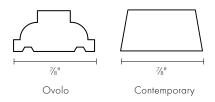


### **REMOVABLE INTERIOR WOOD GRILLES**

Our removable wood grilles are installed on the interior surface. They are available with an optional surround and an optional permanently applied exterior grille. Available in ovolo and contemporary profiles.



Ovolo profile and optional permanently applied exterior grille with chamfer profile

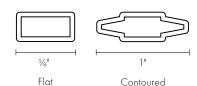


### FINELIGHT™ GRILLES-BETWEEN-THE-GLASS

Aluminum grilles conveniently placed between two panes of glass make the glass easy to clean inside and out.



1" contoured profile



Contoured profile also in 3/4"

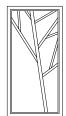
5/8" Color Options	1" Color Options
Colony White	Sierra Bronze/Colony White
Sierra Bronze	Pebble Tan/Colony White
Pebble Tan	Forest Green/Colony White
Forest Green	Choose from our broad palette of 50 colors or select from the two-tone paint combinations shown above.

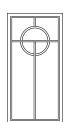
Available in any color combination in addition to those shown.

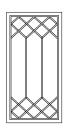


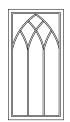
# **DESIGN YOUR OWN GRILLES**

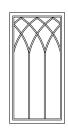
We offer a variety of grille patterns to choose from, or design your own with varying lines, curves and shapes to create a truly unique pattern.

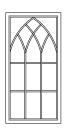


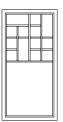


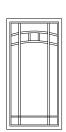












# SCREEN OUT THE INSECTS, NOT THE VIEW

E-Series insect screens let the beauty of the outdoors in, while keeping even small insects out. Choose from a wide selection of insect screen styles, including options that blend seamlessly with your window.

### WINDOW INSECT SCREENS





TruScene

### TruScene® Insect Screens\*

TruScene insect screens for windows are made with a micro-fine stainless steel mesh. They let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects.

### Wood-Veneer Insect Screens

For a clean appearance, E-Series interior window insect screens can feature a wood veneer to blend into your window.



### Retractable Insect Screens

Retractable insect screens for casement and awning windows offer a sleek addition to any home. In place, the insect screen keeps insects out. When retracted, it provides a beautiful clear view.

### PATIO DOOR INSECT SCREENS

### Retractable Insect Screen\*\*

This insect screen is built with an innovative color-matched aluminum housing that hides the insect screen when not in use. It's there when you need it and gone when you don't.

### Hinged Insect Screen

Available for hinged inswing doors, this solid insect screen offers a full-door view and features a lockable latch and automatic closer.

### Top-Hung Gliding Insect Screen

Open your room to the outdoors with the touch of a finger.

Our top-hung gliding insect screen provides smooth and reliable operation, season after season!

<sup>\*</sup>TruScene wood-veneered insect screens utilize a different frame profile than other E-Series wood-veneered insect screens.

<sup>\*\*</sup> Retractable insect screens are available on inswing, outswing and gliding patio doors. See your Andersen supplier for details.

# **BETWEEN-THE-GLASS BLINDS & SHADES**

What could be more convenient than blinds or shades between the panes of glass? Minimal cleaning and no worry about damage. It's simply a fitting way to put privacy at your fingertips. E-Series blinds and shades offer the ultimate in practicality for both residential and commercial applications.

### **BLINDS-BETWEEN-THE-GLASS**

E-Series blinds-between-the-glass can be installed in many of our patio doors and rectangular picture windows. Placed between the two panes of glass away from dust, dirt and damage, you get the benefit of energy efficiency and privacy, control and convenience of blinds.





Tilt, raise and lower with one control cord.\*



Blinds-Between-the-Glass

### **SYSTEM 3 BLINDS & SHADES**

Add privacy and even greater energy efficiency with this low-maintenance blind or shade solution. Applied to the interior of the sash, the System 3 design creates a triple-glazed window for incredible energy efficiency. Our <sup>5</sup>%" blinds and pleated shades are available for casement, awning and picture (specialty auxiliary) windows, plus hinged patio doors, and are mounted to an extruded aluminum storm panel and applied to the interior of the sash. The removable storm panel is available in tan, gold, white or wood veneer.

### **Control Knobs**



# Shades Almond Vanilla Pearl Winter White





System 3 Shades System 3 Blinds

 $<sup>{}^{\</sup>star}$  Not all sizes of blinds-between-the-glass are retractable.

# WINDOW HARDWARE

Complement a home's decor with E-Series window hardware, available in a variety of finishes.







Antique Brass

Black Polished Chrome
Bronze | Gold

Oil Rubbed Bronze

Pewter | Bright Brass

Antique Brass

Black

Bronze Gold

Bright Brass

White

### HARDWARE FINISHES



\*Hardware sold separately.

Oil rubbed bronze is a "living" finishes that will change with time and use.

Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

# THE SMARTEST TECHNOLOGY FOR THE SMARTEST HOMES

Andersen® E-Series windows and doors can now be part of today's connected home. Monitor the status of your windows and patio doors anytime and from anywhere with our sensor options. Plus, our new Yale® Assure Lock® shown on page 29, lets you remotely lock or unlock your hinged patio doors. Learn more about the convenience and peace of mind Andersen smart home products offer at andersenwindows.com/connect.

### VeriLock & Open/Closed Sensors DISCONTINUED



Double-Hung Sash Lock VeriLock Security Sensor



Open/Closed Sensor

### **VERILOCK® SECURITY SENSORS**

With the most advanced technology in the industry, VeriLock security sensors not only indicate whether windows and patio doors are open or closed, they even indicate if they are locked or unlocked. No other sensor can do that

Maintains Warranty – No drilling required which can void

Helps Maximize Energy Efficiency — Windows that are closed but unlocked lose air at a rate up to 3X that of a closed and locked window.\*\* VeriLock sensors tell you which windows and patio doors are open or unlocked\* so you can help manage air loss.

Preserves Beauty - Available in all hardware finishes.



### WIRELESS OPEN/CLOSED SENSORS

These wireless sensors provide the peace of mind of knowing whether your windows and patio doors are open.

**Easy Installation** — No tools are required to install our sensors. Simply place the sensor on a window or patio door and line up the magnet with the sensor until the IFD glows blue!

**Maintains Warranty** – No drilling required which can void warranties.

**Compact Design** – Sleek, compact design in a variety of colors to blend in with the window or patio door.



<sup>\*</sup>When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls

<sup>\*\*</sup>Based on testing of thirty-two (32) A-Series double-hung windows. Air loss through unlocked windows will vary based on window type and age, pressure differential temperatures inside and outside the home allitude and application.

<sup>†</sup>See product installation for details

Printing limitations prevent exact color duplication. See your Andersen supplier for actual color samples

# PATIO DOOR HARDWARE



E-Series patio door hardware\* is available in a variety of different designs to match virtually any style. Yuma® Encino® Anvers<sup>®</sup>, Newbury<sup>®</sup>, Covington<sup>™</sup> and Whitmore<sup>®</sup> hardware options feature solid drop-forged brass for added strength, while Albany and Tribeca® hardware options are made of zinc die cast with durable powder-coated finishes.



### HARDWARE FINISHES



Brushed Chrome, Gold Dust and Polished Chrome DISCONTINUED

\*Hardware sold separately. Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use. Bright brass and satin nickel finishes on patio door hardware feature a 10-year limited warranty. Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.



### **FSB® HINGED PATIO DOOR HARDWARE**



Durable FSB hinged door hardware\* features clean lines and a sleek finish for a thoroughly modern look.



Bold name denotes finish shown.

### YALE® ASSURE LOCK®

Monitor, lock and unlock from anywhere with the Yale Assure Lock.\* This slim, sleek keyless lock is designed exclusively for Andersen® hinged patio doors\*\* and integrates with a wide range of smart home platforms.

Connects with Touchscreen, Touchscreen + Z-Wave & Touchscreen + Bluetooth + WiFi Kit.



<sup>\*</sup>Hardware sold separately.

<sup>\*\*</sup> Available on select hinged doors, see your Andersen supplier for details.

All marks where denoted are trademarks of their respective owners. Yale manufactures and supports the limited warranty for Yale Assure Lock for Andersen patio doors. Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

# ENVIRONMENTAL RESPONSIBILITY

It is more essential than ever that we all do our part to help protect the environment. While environmental responsibility may be new to some, to us, making environmentally responsible manufacturing decisions is nothing new. We've made responsible choices in the past and will continue to strive to be responsible in the future.

### PRESERVING NATURE

To protect our natural resources, we use wood harvested from managed forests and leverage engineered wood technology whenever possible — we use finger-jointed wood and laminated veneer lumber, both of which use wood efficiently and result in superior performance. In addition, we use water-based finishes, which have less impact on the environment than oil-based products.

### **CONSERVING ENERGY**

Our technology and design innovation creates greater energy efficiency in all our products. Our High-Performance Low-E4® glass provides superior thermal protection, helping significantly reduce heating and cooling requirements. Additional energy-efficient glass options include triple-pane glass and SmartSun™ glass. Combined with weathertight frames, sash and weatherstrip, E-Series windows and doors play an important role in energy conservation.



High-Performance Low-E4 glass is up to 45% more energy efficient in winter and up to 57% more energy efficient in summer compared to ordinary dual-pane glass."

### **USING RECLAIMED MATERIALS**

Our cladding contains pre-consumer reclaimed aluminum, which requires much less energy to process than virgin aluminum. In addition, our glass utilizes reclaimed glass, which reduces landfill waste.

### **REDUCING WASTE**

We recycle whenever possible — office paper, corrugated cardboard, sawdust, scrap aluminum, paints and solvents.

Our electrostatic paint system attracts the paint to the aluminum, creating an efficient use of materials. Packaging enhancements include frame protectors made of HDPE, a recyclable plastic.

### TAKING AN ACTIVE ROLE

We work closely with the industry organizations shown to manufacture energy-efficient and environmentally responsible products.









### **ENVIRONMENTAL CERTIFICATIONS**

E-Series windows and doors have received SCS Global Services (SCS) Indoor Advantage™ Gold certification for indoor air quality. Indoor air quality is an important issue because many people spend as much as 90% of their time indoors, either at home, work or school.



# **CASEMENT WINDOWS**

Simple, beautiful and extremely functional, this casement window offers enhanced energy performance. Plus, stainless steel hinges and tracks that open to 90° for great ventilation and easy cleaning. In addition, a single-lever, multi-point locking mechanism with minimally exposed hardware offers a sleek, modern look.

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### **FEATURES**

### **CASEMENT WINDOWS**

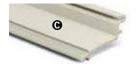
### **FRAME & SASH**

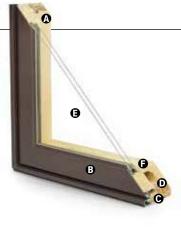
A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryapplied finishes are available in a variety of stains and paints.

Wood components are fitted with aluminum extrusions on the exterior 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options. Integral, butyl-backed corner keys provide a positive, tight seal.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

• A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.





• A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material thermal barrier and provides solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash into a stand-alone kerf on the aluminum extrusion. Available in white or optional black.

### GLASS

• High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dualpane, high-altitude glass and other special glazing options are available.

**6** Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

### **HARDWARE**

Equipped with a stainless steel gear operator, concealed hinges and hinge track. Arch casement units use stainless steel piano hinges.

Locks, handles and operator covers are available in 10 finishes and can be shipped separately closer to job completion.

### Sash Locks



Concealed sash locks (multi-point on units taller than 2'-8") provide a positive lock by operating one convenient lever. Stainless steel keepers resist corrosion.\*\* Available in hardware finishes shown below

HARDWARE OPTIONS



Operator Handle & Cover

Antique Brass | Black Polished Chrome | Bronze Gold | Oil Rubbed Bronze Pewter | Bright Brass Brushed Chrome | White

Bold name denotes finish shown.

### HARDWARE FINISHES



Oil rubbed bronze is a "living" finish that will change with time and use.

### **EXTERIOR & INTERIOR OPTIONS**

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

### INTERIOR WOOD SPECIES



Mixed Grain





Maple







Cherry





Douglas Fir



Walnut Vertical Grain Alder White Oak





Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

### **FACTORY-FINISHED INTERIORS**



Clear Coat Wheat Autumn Oak















Espresso

### INTERIOR PAINTED OPTIONS





(for paint)







Green



Dark

Bronze



Dove

Grav



Grass









Silver

\*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. \*\*Visit andersenwindows.com/warranty for details.

Bean

Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.



#### **ACCESSORIES** Sold Separately

#### **CASEMENT WINDOWS**

#### **HARDWARE**

#### **Power Operator**



Power operators are available in bronze, white, black or gold.

#### Window Opening Control Device Kit

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

#### Construction Hardware



Construction locks and operator handles keep your permanent window hardware away from the construction process and possible damage yet allow operation of windows during construction.

#### **SENSORS**

# VeriLock & Open/Closed Sensors DISCONTINUED

detect whether the windows are locked or unlocked\* — a feature no other sensors can provide.

#### Open/Closed Sensors

Wireless open/closed sensors

See page 27 for Smart Home options.

#### **PRIVACY OPTIONS**

#### System 3 Blinds



A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy efficiency. Available in three colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

See your Andersen supplier for more information.

#### System 3 Shades

Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light.

See page 25 for more information on our blinds and shades.

#### INSECT SCREENS

#### TruScene® Insect Screens



Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

#### Retractable Insect Screens

Retractable insect screen available in wood-veneered frame options.

#### Conventional Insect Screens



Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available.

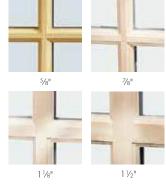
See page 24 for more information on our insect screens.

\*When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls.

#### **GRILLES**

#### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5%!, 78!, 11/8!, 11/2!, or 21/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8," 7/8," 1 1/2," or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Finelight™ Grilles-Between-the-Glass

Available in 5%" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



5/8" Flat 1" Contoured

#### Removable Interior Wood Grilles

Removable interior wood grilles are available in a 1/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

in white, tan, gold or an optional wood veneer to match your interior.

#### FRENCH CASEMENT WINDOW

#### **FEATURES**

#### FRENCH CASEMENT **WINDOWS**

#### **FRAME & SASH**

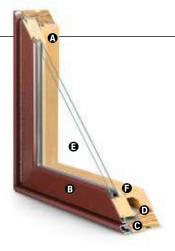
A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryapplied finishes are available in a variety of stains and paints.

Wood components are fitted with aluminum extrusions on the exterior 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

● A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.





• A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material thermal barrier and provides solid surface contact with the sash.

Secondary weatherstrip is applied on three sides of the sash. Available in white or optional black.

#### **GLASS**

• High-Performance Low-E4® glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available

**6** Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless stee

#### **HARDWARE**

Equipped with stainless steel gear operators and piano hinges.

Concealed, multi-point sash locks provide a positive lock by operating one convenient lever. Stainless steel keepers resist corrosion.\*\*



French Casement Lock

#### HARDWARE OPTIONS



Operator Handle & Cover

Antique Brass | Black Polished Chrome | Bronze Bright Brass Brushed Chrome | White

Bold name denotes finish shown.

#### HARDWARE FINISHES



#### **EXTERIOR & INTERIOR OPTIONS**

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

#### **INTERIOR WOOD SPECIES**









Oak





Hickory Mahogany\*



Cherry







Brushed



White



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

#### **FACTORY-FINISHED INTERIORS**

Douglas Fir



White







Hickory

Maple





Cinnamon



Russet



Mocha



Douglas Fir

Espresso

### INTERIOR PAINTED OPTIONS











Green



Bronze





Grav



Grass





Bean





Silver

<sup>\*</sup>Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. \*\*Visit andersenwindows.com/warranty for details.



#### **ACCESSORIES** Sold Separately

### FRENCH CASEMENT WINDOWS

## Open/Closed Sensors DISCONTINUED

Wireless open/closed sensors are available in four colors.
See page 27 for details.

#### **INSECT SCREENS**

#### TruScene® Insect Screens



Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

#### Retractable Insect Screens

Retractable insect screen available in wood-veneered frame options.

#### **Conventional Insect Screens**



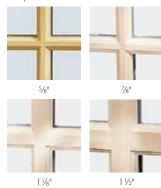
Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available.

See page 24 for more information on our insect screens.

#### **GRILLES**

#### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5%, 78, 11/8, 11/2, or 21/4 widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in  $\frac{1}{2}$ ,  $\frac{1}{2}$ ,  $\frac{1}{2}$ ,  $\frac{1}{2}$ , or  $\frac{1}{2}$ , widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



#### Removable Interior Wood Grilles

Removable interior wood grilles are available in a ½" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

#### **FEATURES**

### **PUSH OUT CASEMENT**

#### FRAME & SASH

A Select wood components are kiln

**B** Wood components are fitted with

• A Fibrex® material thermal barrier





A continuous perimeter bulb

E High-Performance Low-E4® glass

Glass is fixed in place from the

#### **HARDWARE**

#### HARDWARE OPTIONS



#### HARDWARE FINISHES



#### **EXTERIOR & INTERIOR OPTIONS**

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

#### INTERIOR WOOD SPECIES



#### **FACTORY-FINISHED INTERIORS**



Interior custom stains, paints and color matching available.

#### INTERIOR PAINTED OPTIONS





#### **ACCESSORIES** Sold Separately

#### **PUSH OUT CASEMENT WINDOWS**

#### **SENSORS**

#### Open/Closed Sensors

#### **INSECT SCREENS**

#### **Hinged Insect Screens**





#### Retractable Insect Screens

#### Push Out Casement DISCONTINUED

#### **GRILLES**

#### Full Divided Light



#### Simulated Divided Light



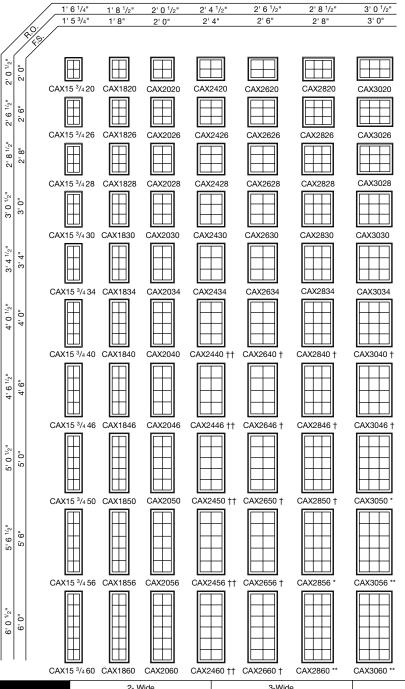
#### Finelight™ Grilles-Between-the-Glass



Removable Interior Wood Grilles



#### **Casement Window Sizes**



#### NOTES

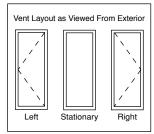
- † These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height).
- †† Units meet the stated dimensions above when optional hardware for widest clear opening is used.
- A sash-limiting device is standard on 2856 and 3050 casement units. See your local code official for requirements in your area.
- \*\* A piano hinge and sash limiting device is standard on 2860, 3056 and 3060 casement units.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.



#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides

Any unit within each combination can be operating or stationary.

Joined Casement Combinations	rent ( )		3-Wide		4-Wide		5-Wide	
Single Unit Frame Width	Rough Opening Width	Frame Width						
1'-5 3/4"	3'-0"	2'-11 1/2"	4'-5 3/4"	4'-5 1/4"	5'-11 1/2"	5'-11"	7'-5 1/4"	7'-4 3/4"
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"	6'-8 1/2"	6'-8"	8'-4 1/2"	8'-4"
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"	8'-0 1/2"	8'-0"	10'-0 1/2"	10'-0"
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"	9'-4 1/2"	9'-4"	11'-8 1/2"	11'-8"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"	10'-0 1/2"	10'-0"	12'-6 1/2"	12'-6"
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"	10'-8 1/2"	10'-8"	13'-4 1/2"	13'-4"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"	12'-0 1/2"	12'-0"	15'-0 1/2"	15'-0"



#### **Casement Picture Window Sizes**

	3' 0 1/2"	3' 4 1/2"	4' 0 1/2"	5' 0 1/2"	6' 0 1/2"
	3' 0"	3' 4"	4' 0"	5' 0"	6' 0"
3' 4 1/2" 3' 4"	SCA3034	SCA3434	SCA4034	SCA5034	SCA6034
4' 0 1/2" 4' 0"	SCA3040	SCA3440	SCA4040	SCA5040	SCA6040
4' 6 1/2" 4' 6"	SCA3046	SCA3446	SCA4046	SCA5046	SCA6046
5' 0 1/2"	SCA3050	SCA3450	SCA4050	SCA5050	SCA6050
5' 6"	SCA3056	SCA3456	SCA4056	SCA5056	SCA6056
6' 0"2"	SCA3060	SCA3460	SCA4060	SCA5060	SCA6060

#### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

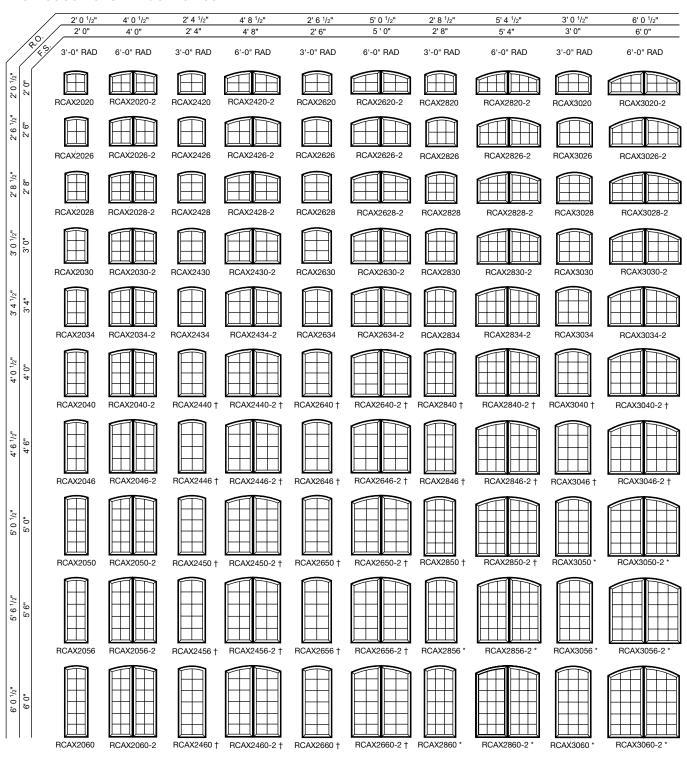
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

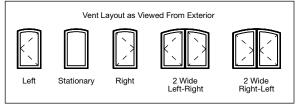
Any unit within each combination can be operating or stationary.

#### **Casement Transom Window Sizes**

	1' 6 1/4"	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 4 1/2"	4' 0 <sup>1</sup> /2"
/	1' 5 3/4"	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 4"	4' 0"
/3	<i>Y</i> 5:/								
1.21/2									
	SCA15 <sup>3</sup> / <sub>4</sub> 12	SCA1812	SCA2012	SCA2412	SCA2612	SCA2812	SCA3012	SCA3412	SCA4012
4 1/2"									
	SCA15 <sup>3</sup> / <sub>4</sub> 14	SCA1814	SCA2014	SCA2414	SCA2614	SCA2814	SCA3014	SCA3414	SCA4014
1' 6 1/4"									
1- 1-						2242245 24	00400453/	20424453/	2244245.34
1/2"	SCA15 <sup>3</sup> / <sub>4</sub> 15 <sup>3</sup> / <sub>4</sub>	SCA1815 <sup>3</sup> / <sub>4</sub>	SCA2015 <sup>3</sup> / <sub>4</sub>	SCA2415 <sup>3</sup> / <sub>4</sub>	SCA2615 <sup>3</sup> / <sub>4</sub>	SCA2815 <sup>3</sup> / <sub>4</sub>	SCA3015 <sup>3</sup> / <sub>4</sub>	SCA3415 <sup>3</sup> / <sub>4</sub>	SCA4015 <sup>3</sup> / <sub>4</sub>
1'8"									
-	SCA15 <sup>3</sup> / <sub>4</sub> 18	SCA1818	SCA2018	SCA2418	SCA2618	SCA2818	SCA3018	SCA3418	SCA4018

#### **Arch Casement Window Sizes**





#### NOTES

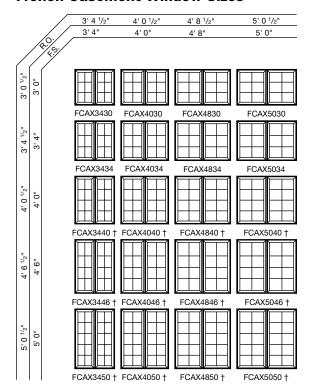
- These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6' 10-1/2" structural header height).
- A sash-limiting device is standard on 2856, 2860, 3056 and 3060 casement units. See your local code official for requirements in your area.

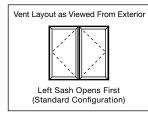
Piano hinges are standard on all arch casement units.

See notes on page 43 for more information.



#### **French Casement Window Sizes**





#### NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). Local codes may differ. Verify egress requirements with your local building code official.

Piano hinges and step jamb are standard on all French casement units.

If glass is positioned within 18" of the finished floor, safety/ tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

#### Push Out Casement Window Sizes Push Out Casement DISCONTINUED

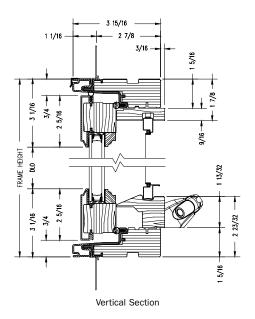
		/_	1' 6 <sup>1</sup> / <sub>4</sub> " 1' 5 <sup>3</sup> / <sub>4</sub> "	1' 8 <sup>1</sup> /2" 1' 8"	2' 0 1/2"	2' 4 1/2"	2' 6 <sup>1</sup> / <sub>2</sub> " 2' 6"	2' 8 1/2"	3' 0 <sup>1</sup> /2"	NOTES † These units me	eet or exceed the following		
/	/ \$ <sup>2</sup> /2	)/ [5]		1 0	2 0	<u> </u>		2 0		Opening Width	ear Opening Area 5.7 sq. ft., Clear 20", Clear Opening Height 24" and floor to sill height (with standard		
2' 0 1/2"	2.0"									6'10-1/2" structural header height). Local code may differ. Verify egress requirements with your local building code official.			
		CPOA	X15 <sup>3</sup> / <sub>4</sub> 20	CPOAX1820	CPOAX2020	CPOAX2420	CPOAX2620	CPOAX2820	CPOAX3020		Frame Width (AFW) will receive		
2' 6 1/2"	2.6"									hinges only Units > 24" AFW a	y (no clip or friction arm).  nd ≤ 30" AFW receive clip only. eceive (2) 14" friction arms.		
=_		CPOA	X15 <sup>3</sup> / <sub>4</sub> 26	CPOAX1826	CPOAX2026	CPOAX2426	CPOAX2626	CPOAX2826	CPOAX3026				
2' 8 1/	2 8 8									safety/tempered g may differ. Verify te	ed within 18" of the finished floor, lass may be required. Local codes empered glass requirements with		
		CPOA	X15 <sup>3</sup> / <sub>4</sub> 28	CPOAX1828	CPOAX2028	CPOAX2428	CPOAX2628	CPOAX2828	CPOAX3028	your local building	code official.		
3'0 1/2"	3.0"									Use structural join required by code.	ing material when necessary or		
		CPOA	X15 <sup>3</sup> / <sub>4</sub> 30	CPOAX1830	CPOAX2030	CPOAX2430	CPOAX2630	CPOAX2830	CPOAX3030		Illustrated apply to rectangular		
3' 4 1/2"	3.4"									Simulated Divided and Finelight™ Grill interior wood grille	wood grilles, Full Divided Light, Light, Decorelle 100, 150 and 400 es-Between-the-Glass. All removable s will be installed in the units		
		CPO/	X15 <sup>3</sup> / <sub>4</sub> 34	CPOAX1834	CPOAX2034	CPOAX2434	CPOAX2634	CPOAX2834	CPOAX3034	unless otherwise s	specified.		
0 1/2"	4.0"	01 07								For a metric conve dimensions in inch	rsion in millimeters, multiply les by 25.4.		
4													
		CPOA	X15 <sup>3</sup> / <sub>4</sub> 40	CPOAX1840	CPOAX2040	CPOAX2440	CPOAX2640	CPOAX2840	CPOAX3040 †	Vent Layout as Viev	ved From Exterior		
- 6 1/2"	4'6"												
14		CBO/	¥153/4.46	CPOAY1846	CPOAY2046	CPOAY2446	CPOAY2646	CPOAY2846	CPOAX3046 †				
		OF OF	X13 74 40	CFOAX1040	CF OAX2040	OF OAX2440	CFOAX2040	OF OAX2040	CFOAX3040	L of Ot-ti-			
1/2"	0									Left Statio	nary Right		
2.0	5									FORMULA FOR COM	BINATION WINDOWS dimension (both width and height)		
		CPOA	X15 <sup>3</sup> / <sub>4</sub> 50	CPOAX1850	CPOAX2050	CPOAX2450	CPOAX2650	CPOAX2850	CPOAX3050 †	is equal to the sur	n of the individual unit frame		
											ining material dimension(s).		
5' 6 1/2"	5.6"										opening (both width and height) is I frame dimensions plus 1/4" on		
											h combination can be operating		
		CPOA	X15 <sup>3</sup> / <sub>4</sub> 56	CPOAX1856	CPOAX2056	CPOAX2456	CPOAX2656	CPOAX2856	CPOAX3056 †	or stationary.			
0 1/2"	-0												
0.9	-0		Ш										
			H										
I		CPOA	X15 <sup>3</sup> /4 60	CPOAX1860	CPOAX2060	CPOAX2460	CPOAX2660 (	CPOAX2860	CPOAX3060 †				
				2- Wid	e		3-Wide			4-Wide	5-Wide		

	2- Wide		3-W	/ide	4-W	ide	5-Wide		
Joined Casement Combinations									
Single Unit Frame Width	Rough Opening Width	Frame Width							
1'-5 3/4"	3'-0"	2'-11 1/2"	4'-5 3/4"	4'-5 1/4"	5'-11 1/2"	5'-11"	7'-5 1/4"	7'-4 3/4"	
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"	6'-8 1/2"	6'-8"	8'-4 1/2"	8'-4"	
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"	8'-0 1/2"	8'-0"	10'-0 1/2"	10'-0"	
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"	9'-4 1/2"	9'-4"	11'-8 1/2"	11'-8"	
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"	10'-0 1/2"	10'-0"	12'-6 1/2"	12'-6"	
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"	10'-8 1/2"	10'-8"	13'-4 1/2"	13'-4"	
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"	12'-0 1/2"	12'-0"	15'-0 1/2"	15'-0"	

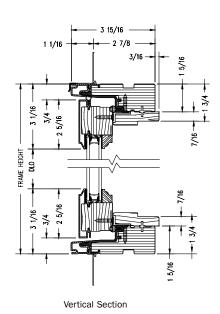


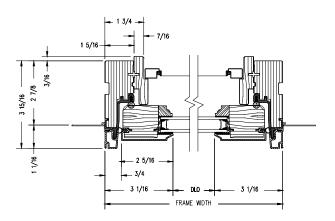
#### **Casement Windows**

#### Casement

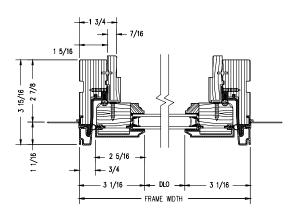


#### Sash-Set (2-Piece) Casement









Horizontal Section

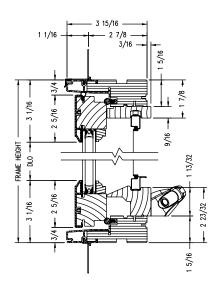
Shown with ovolo (colonial) glass stops.

#### **Casement Windows**

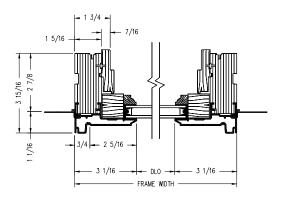
#### **Direct-Set (1-Piece) Casement**

# 

#### **Arch Casement**

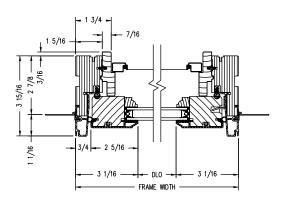


Vertical Section



Vertical Section

Horizontal Section



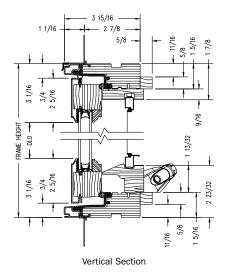
Horizontal Section

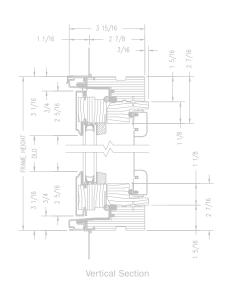
Shown with ovolo (colonial) glass stops.

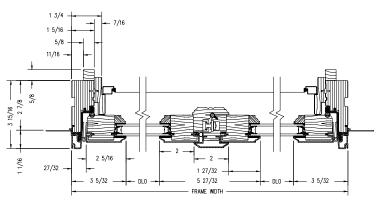


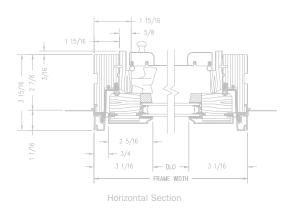
#### **French Casement Windows**

### Push Out Casement DISCONTINUED









Horizontal Section

Shown with ovolo (colonial) glass stops.

Shown with contemporary glass stops.

### **AWNING WINDOWS**

Used alone or as an accent window, E-Series awning windows add visual interest and ventilation. Plus, they are easy to clean from the inside, while still offering a weathertight seal for outstanding performance. They include stainless steel hardware with the operator located on the sill for a true awning style and feature the same sight lines as our casement window for design flexibility when creating large window combinations.

Awning Window Overview						
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#### **FEATURES**

#### **AWNING WINDOWS**

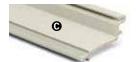
#### **FRAME & SASH**

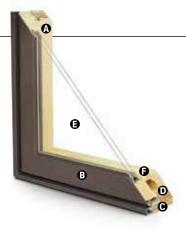
A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryapplied finishes are available in a variety of stains and paints.

Wood components are fitted with aluminum extrusions on the exterior 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options. Integral, butyl-backed corner keys provide a positive, tight seal.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges and metal installation clips are available.

• A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.





• A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material thermal barrier and provides solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash into a stand-alone kerf on the aluminum extrusion. Available in white or optional black.

#### GLASS

• High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dualpane, high-altitude glass and other special glazing options are available.

• Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

#### **HARDWARE**

Equipped with a stainless steel gear operator, concealed hinges and hinge track.

Locks, handles and operator covers are available in 10 finishes and can be shipped separately closer to job completion.



Concealed sash locks provide a positive lock. Stainless steel keepers resist corrosion.\*\* Available in hardware finishes shown below.

Sash Lock

#### HARDWARE OPTIONS



Operator Handle & Cover

Antique Brass | Black Polished Chrome | Bronze Gold | Oil Rubbed Bronze Pewter | Bright Brass Brushed Chrome | White

Bold name denotes finish shown.

#### HARDWARE FINISHES



Oil rubbed bronze is a "living" finish that will change with time and use.

#### **EXTERIOR & INTERIOR OPTIONS**

**EXTERIOR COLORS** 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

#### INTERIOR WOOD SPECIES



Mixed Grain Pine Douglas Fir



Oak



Maple



Hickory Mahogany\*



Cherry





Douglas Fir



Walnut Vertical Grain Alder White Oak





Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

#### **FACTORY-FINISHED INTERIORS**



Clear Coat Wheat Autumn Oak Golden





Hickory



Honey



Cinnamon



Russet





Mocha Espresso



\*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. \*\*Visit andersenwindows.com/warranty for details.

#### **ACCESSORIES** Sold Separately

#### **AWNING WINDOWS**

#### **HARDWARE**

#### Power Operator



Power operators are available in bronze, white, black or gold.

#### Window Opening Control Device Kit

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

#### Construction Hardware



Construction locks and operator handles keep your permanent window hardware away from the construction process and possible damage yet allow operation of windows during construction.

#### **SENSORS**

# VeriLock & Open/Closed Sensors DISCONTINUED

detect whether the windows are locked or unlocked\* — a feature no other sensors can provide

#### Open/Closed Sensors

Wireless open/closed sensors

See page 27 for Smart Home options.

#### **PRIVACY OPTIONS**

#### System 3 Blinds



A 1/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy efficiency. Available in three colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

#### System 3 Shades

Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light.

See page 25 for more information on our blinds and shades.

#### **INSECT SCREENS**

#### TruScene® Insect Screens



Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

#### Retractable Insect Screens

Retractable insect screen available in wood-veneered frame options.

#### **Conventional Insect Screens**



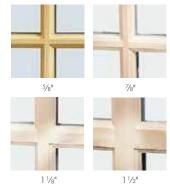
Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available.

See page 24 for more information on our insect screens.

#### **GRILLES**

#### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5%, 7%, 8%, 1 ½, 1 ½, or 2 ¼, widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in  $\frac{9}{8}$ ,  $\frac{7}{8}$ ,  $\frac{11}{8}$ ,  $\frac{11}{2}$ , or  $\frac{21}{4}$  widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



5/8" Flat

1" Contoured

#### Removable Interior Wood Grilles

Removable interior wood grilles are available in a 1/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

<sup>\*</sup>When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

#### **FEATURES**

### **PUSH OUT AWNING**

#### FRAME & SASH

A Select wood components are kiln

**B** Wood components are fitted with

• A Fibrex® material thermal barrier





A continuous perimeter bulb

#### GLASS

**■** High-Performance Low-E4® glass

Glass is fixed in place from the

#### **HARDWARE**

#### HARDWARE OPTIONS



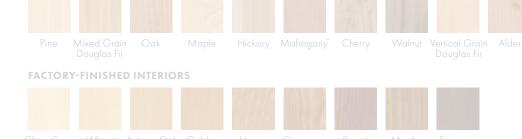
#### **HARDWARE FINISHES**



#### **EXTERIOR & INTERIOR OPTIONS**

**EXTERIOR COLORS** 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

#### **INTERIOR WOOD SPECIES**



Interior custom stains, paints and color matching available.

#### INTERIOR PAINTED OPTIONS





#### **ACCESSORIES** Sold Separately

#### **PUSH OUT AWNING WINDOWS**

#### **SENSORS**

#### Open/Closed Sensors

#### **INSECT SCREENS**

#### **Hinged Insect Screens**



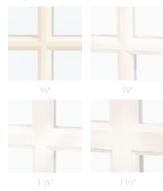


#### Retractable Insect Screens

#### Push Out Awning DISCONTINUED

#### **GRILLES**

#### Full Divided Light



#### Simulated Divided Light



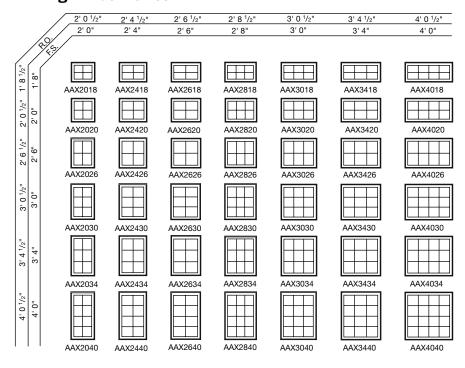
#### Finelight™ Grilles-Between-the-Glass



#### Removable Interior Wood Grilles



### **Awning Window Sizes**



#### Push Out Awning DISCONTINUED

	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 4 1/2"	4' 0 <sup>1</sup> /2"
	2' 0"	2' 4"	2' 6"	2'8"	3'0"	3' 4"	4' 0"
/&	%;/ 						
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						
8 1/2							
	APOAX2018	APOAX2418	APOAX2618	APOAX2818	APOAX3018	APOAX3418	APOAX4018
2' 0 1/2"	APOAX2020	APOAX2420	APOAX2620	APOAX2820	APOAX3020	APOAX3420	APOAX4020
=	AI OAZEOZO	711 07772-720	AI OANZOZO	7.1 0702020	711 07 07.00020	71 0700-120	71 0704020
2'61/2"							
	APOAX2026	APOAX2426	APOAX2626	APOAX2826	APOAX3026	APOAX3426	APOAX4026
3' 0 1/2"							
	APOAX2030	APOAX2430	APOAX2630	APOAX2830	APOAX3030	APOAX3430	APOAX4030
3' 4 1/2"							
	APOAX2034	APOAX2434	APOAX2634	APOAX2834	APOAX3034	APOAX3434	
4' 0 1/2"							
	APOAX2040	APOAX2440	APOAX2640	APOAX2840	APOAX3040		

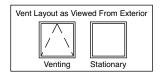
#### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight<sup>TM</sup> Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.



#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

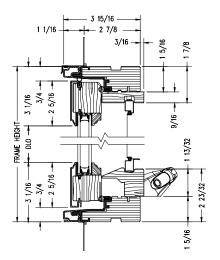
#### PUSH OUT AWNING

Units ≥ 36" Actual Frame Height receive (2) friction stays.

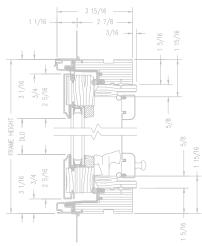


### **Awning Windows**

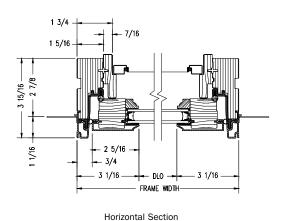
# Push Out Awning DISCONTINUED



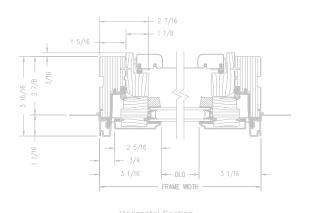
Vertical Section



Vertical Section



Shown with ovolo (colonial) glass stops.



Shown with contemporary glass stops.

Joined Awning Width Combinations	2-W	/ide	3-Wide		
Single Unit Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"	
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"	
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"	
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"	
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"	
3'-4"	6'-8 1/2"	6'-8"	10'-0 1/2"	10'-0"	
4'-0"	8'-0 1/2"	8'-0"	12'-0 1/2"	12'-0"	

Joined Awning Height Combinations	2-High		3-High			
Single Unit Frame Height	Rough Opening Height	Frame Height	Rough Opening Height	Frame Height		
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"		
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"		
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"		
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"		
3'-4"	6'-8 1/2"	6'-8"	10'-0 1/2"	10'-0"		
4'-0"	8'-0 1/2"	8'-0"	12'-0 1/2"	12'-0"		

### **DOUBLE-HUNG WINDOWS**

A classic beauty, double-hung windows offer a sleek design with ventilation options from the top, bottom or both. Add a TruScene® insect screen to let the outside in, maximizing your view, not limiting it. E-Series double-hung windows give you the option to select aluminum or wood jamb liner inserts for added visual appeal and include flush-mounted hardware that allows for easy tilt-in operation.

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#### DOUBLE-HUNG WINDOW

#### **FEATURES**

### DOUBLE-HUNG WINDOWS

#### **FRAME & SASH**

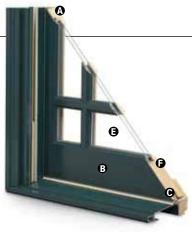
Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryaplied finishes are available in a variety of stains and paints.

• Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Optional vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

• Compression bulb weatherstrip is applied on the bottom sash, head jamb, at the meeting rail and on side iambs for a maximum weather seal.

Jamb liners encase balancer assemblies that allow each sash to be tilted 90° inward from a bottom pivot and stay securely in place for washing.



• Double-hung jamb liners incorporate synthetic interior and exterior inserts or optional painted aluminum exterior and wood-veneered interior inserts.



#### **GLASS**

(3) High-Performance Low-E4® glass with a low-conductivity spacer.

Triple-pane glass, tinted, clear dualpane, high-altitude glass and other special glazing options are available.

● Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

#### HARDWARE

Sash lock/tilt mechanisms and keepers give a slim, more traditional design and allow opening and tilting of the window in one operation. Tilting the sash from the inside for cleaning is effortless.

Optional surface mount sash lifts allow for easy operation. Units less than 3' wide use one lift. Units 3' wide and greater use two lifts.

#### HARDWARE OPTIONS



Windows with VeriLock® sensors use a different sash lock. See the next page for details.

Bold name denotes finish shown

#### HARDWARE FINISHES



#### **EXTERIOR & INTERIOR OPTIONS**

**EXTERIOR COLORS** 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

#### INTERIOR WOOD SPECIES



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

#### INTERIOR PAINTED OPTIONS

Hickory



\*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.



#### **ACCESSORIES** Sold Separately

### DOUBLE-HUNG WINDOWS

#### **HARDWARE**

#### Window Opening Control Device Kit

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

### VeriLock & Open/Closed Sensors DISCONTINUED



VeriLock sensors are unique as they detect whether the windows are locked or unlocked\*— a feature no other sensors can provide. Available in all hardware finishes.

#### Open/Closed Sensors

Wireless open/closed sensors

See page 27 for Smart Home options.

#### **INSECT SCREENS**

#### TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

#### **Conventional Insect Screens**



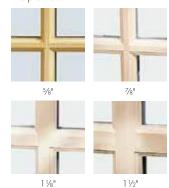
Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

#### **GRILLES**

#### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5%!, 78!, 11/8!, 11/2!, or 21/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{4}$ ,  $\frac{1}{4}$ ,  $\frac{1}{4}$ , or  $\frac{1}{4}$ , widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

<sup>\*</sup>When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

### DOUBLE-HUNG INSERT WINDOW

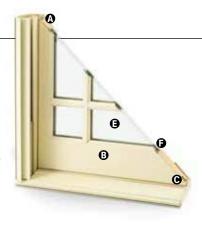
#### **FEATURES**

### DOUBLE-HUNG INSERT WINDOWS

Double-hung insert window fits into an existing window frame making installation a breeze. The appearance of the interior and exterior of the home are maintained because the existing frame, wall coverings and trim work stay completely intact.

#### **FRAME & SASH**

- Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryapplied finishes are available in a variety of stains and paints.
- (3) Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.
- © Compression bulb weatherstrip is applied on the bottom sash, head jamb, at the meeting rail and on side jambs for a maximum weather seal.



Jamb liners encase balancer assemblies that allow each sash to be tilted 90° inward from a bottom pivot and stay securely in place for washing.

• Basic jamb liners are available in beige or white and are made of synthetic material. Optional painted aluminum exterior inserts and woodveneered interior inserts also available.



#### SILL

Canvas

8 degrees is the standard slope. Filler block is used on existing window sill angles of less than 8 degrees.

## GLASS SPACERS available in black, white and stainless steel.

#### **GLASS**

● High-Performance Low-E4® glass with a low-conductivity spacer.

Triple-pane glass, tinted, clear dualpane, high-altitude glass and other special glazing options are available.

Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

#### HARDWARE OPTIONS



Windows with  $VeriLock^{@}$  sensors use a different sash lock. See the next page for details. Bold name denotes finish shown.

#### **HARDWARE FINISHES**

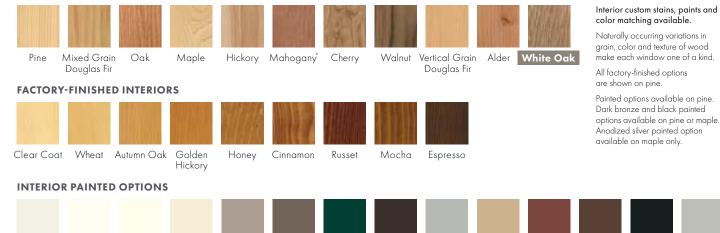


#### **EXTERIOR & INTERIOR OPTIONS**

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

Sandtone Terratone

#### INTERIOR WOOD SPECIES



Forest

Green

Dove

Gray

Prairie

Grass

Red Rock

Black

Anodized

Silver

Cocoa

Dark

Bronze

White

Birch Bark

<sup>\*</sup>Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.



### HARDWARE

Sash lock/filt mechanisms and keepers give a slim, more traditional design and allow opening and tilling of the window in one operation. Tilting the sash from the inside for cleaning is effortless.

Surface mount sash lifts allow for easy operation. Units less than 3' wide use one lift. Units 3' wide and greater use two lifts.

#### **MEASURING GUIDELINES**

Measuring guidelines for double-hung insert and picture insert windows can be found on andersenwindows.com/measure.

#### **ACCESSORIES** Sold Separately

### DOUBLE-HUNG INSERT WINDOWS

#### **HARDWARE**

#### Window Opening Control Device Kit

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

### VeriLock & Open/Closed Sensors DISCONTINUED



VeriLock sensors are unique as they detect whether the windows are locke or unlocked\* — a feature no other sensors can provide. Available in all hardware finishes.

#### Open/Closed Sensors

Wireless open/closed sensors

See page 27 for Smart Home options.

#### **INSECT SCREENS**

#### TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

#### **Conventional Insect Screens**



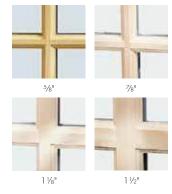
Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

#### **GRILLES**

#### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5%, 78, 11/8, 11/2, or 21/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in  $\frac{7}{8}$ ,  $\frac{7}{6}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{1}{2}$ , or  $\frac{2}{4}$  widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Finelight™ Grilles-Between-the-Glass

Available in 5%" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



#### Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7%" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

<sup>\*</sup>When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

#### **FEATURES**

#### **DOUBLE-HUNG SASH** REPLACEMENT KITS



SASH

Double-hung sash replacement kits are complete with window sash, locking hardware and sash lifts, compression jamb liners and balancer systems, sill filler, head parting stop and installation hardware. Each kit is built to your exact measurements.

The kits were designed to replace older sash with a new energy-efficient sash without removing the trim and the window frame. The sash replacement will fit a double-hung window with a jamb pocket depth of 3 1/4" or larger.

Kits are also available in a picture window design. The sash depth is 1 17/32". Picture window sash replacement kit consists of one sash and one sill filler.

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryapplied finishes are available in a variety of stains and paints.

Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

The sash replacement kit utilizes a foam weatherstrip on the bottom of the lower sash that forms a weather-tight seal against the sill filler when closed.

• Hollow bulb weatherstrip forms a compression seal at the meeting rails and at the head.

Each kit utilizes a two-piece foambacked jamb liner and a block and tackle balancer system. The sash tilt inward for easy cleaning. Beige or white jamb liners are available and are cut to the sill slope specified at time of order.

#### HARDWARE OPTIONS



Bold name denotes finish shown.

#### HARDWARE FINISHES



Additional finishes not shown or listed above include: Antique Brass, Brushed Chrome, Oil Rubbed Bronze, Pewter and Polished Chrome

#### **EXTERIOR & INTERIOR OPTIONS**

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

#### **INTERIOR WOOD SPECIES**



Douglas Fir





Oak



Maple





Hickory Mahogany\*



Cherry





Walnut Vertical Grain Alder White Oak



Douglas Fir



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

### **FACTORY-FINISHED INTERIORS**



Clear Coat Wheat Autumn Oak Golden





Hickory







Cinnamon



Russet







Mocha Espresso

#### INTERIOR PAINTED OPTIONS



<sup>\*</sup>Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.



# GLASS SPACERS available in black, white and stainless steel.

#### **GLASS**

❸ High-Performance Low-E4® glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

#### **HARDWARE**

Sash replacement kits under 36" in width will receive one lock and one sash lift. Kits 36" to 48" in width will receive two locks and two sash lifts. Kits 48" and wider will require three locks and two sash lifts.

#### **MEASURING GUIDELINES**

Measuring guidelines for double-hung and picture sash replacement kits can be found on andersenwindows.com/measure.

#### **ACCESSORIES** Sold Separately

### DOUBLE-HUNG SASH REPLACEMENT KITS

#### **INSECT SCREENS**

#### TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

#### **Conventional Insect Screens**



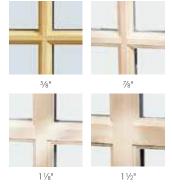
Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

#### **GRILLES**

#### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in ½," ½," 1½," or 2½," widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



#### Finelight™ Grilles-Between-the-Glass

Available in 5%" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



#### Removable Interior Wood Grilles

Removable interior wood grilles are available in a 1/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

#### **Double-Hung Window Sizes**

	_	1' 8 1/2"	2' 0 <sup>1</sup> / <sub>2</sub> " 2' 0"	2' 4 <sup>1</sup> / <sub>2</sub> " 2' 4"	2' 6 <sup>1</sup> /2" 2' 6"	2' 8 <sup>1</sup> /2" 2' 8"	3' 0 <sup>1</sup> /2" 3' 0"	3' 2 <sup>1</sup> / <sub>2</sub> " 3' 2"	3' 4 <sup>1</sup> /2" 3' 4"	3' 8 <sup>1</sup> /2" 3' 8"	4' 0 <sup>1</sup> /2" 4' 0"
3' 0 1/2"	3.0.5										
3' 4 1/2"	3.4"	TCLDH1830			TCLDH2630	TCLDH2830	TCLDH3030	TCLDH3230 TCLDH3234	TCLDH3430	TCLDH3830	
4' 0 1/2"	4, 0,	TCLDH1834			TCLDH2634	TCLDH2834	TCLDH3034		TCLDH3434	TCLDH3834	
4' 6 1/2"	4' 6"	TCLDH1840	TCLDH2040	TCLDH2440	TCLDH2640	TCLDH2840	TCLDH3040	TCLDH3240	TCLDH3440	TCLDH3840	TCLDH4040
4' 9 1/2"	1,9"	TCLDH1846 TCLDH1849		TCLDH2446 TCLDH2449	TCLDH2646  TCLDH2649	TCLDH2846  TCLDH2849	TCLDH3046  TCLDH3049	TCLDH3246  TCLDH3249	TCLDH3446  TCLDH3449	TCLDH3846 TCLDH3849	TCLDH4046 TCLDH4049
5' 0 1/2"	5' 0"	TCLDH1850		TCLDH2450	TCLDH2650	TCLDH2850	TCLDH3050	TCLDH3250	TCLDH3450	TCLDH3850	TCLDH4050
5' 1 1/2"	5'1"	TCLDH1851	TCLDH2051	TCLDH2451	TCLDH2651	TCLDH2851	TCLDH3051	TCLDH3251 †	TCLDH3451 †	TCLDH3851 †	TCLDH4051 †

Joined Double-Hung Combinations										
	2-Wide			3-Wide						
Single Unit Frame Width	Rough Opening Width	Frame Width	Single Unit Frame Width	Rough Opening Width	Frame Width					
1'-8"	3'-4 1/2"	3'-4"	1'-8"	5'-0 1/2"	5'-0"					
2'-0"	4'-0 1/2"	4'-0"	2'-0"	6'-0 1/2"	6'-0"					
2'-4"	4'-8 1/2"	4'-8"	2'-4"	7'-0 1/2"	7'-0"					
2'-6"	5'-0 1/2"	5'-0"	2'-6"	7'-6 1/2"	7'-6"					
2'-8"	5'-4 1/2"	5'-4"	2'-8"	8'-0 1/2"	8'-0"					
3'-0"	6'-0 1/2"	6'-0"	3'-0"	9'-0 1/2"	9'-0"					
3'-2"	6'-4 1/2"	6'-4"	3'-2"	9'-6 1/2"	9'-6"					
3'-4"	6'-8 1/2"	6'-8"	3'-4"	10'-0 1/2"	10'-0"					
3'-8"	7'-4 1/2"	7'-4"	3'-8"	11'-0 1/2"	11'-0"					
4'-0"	8'-0 1/2"	8'-0"	4'-0"	12'-0 1/2"	12'-0"					

#### NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

If glass is positioned within 18" of the finished floor, safety/ tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

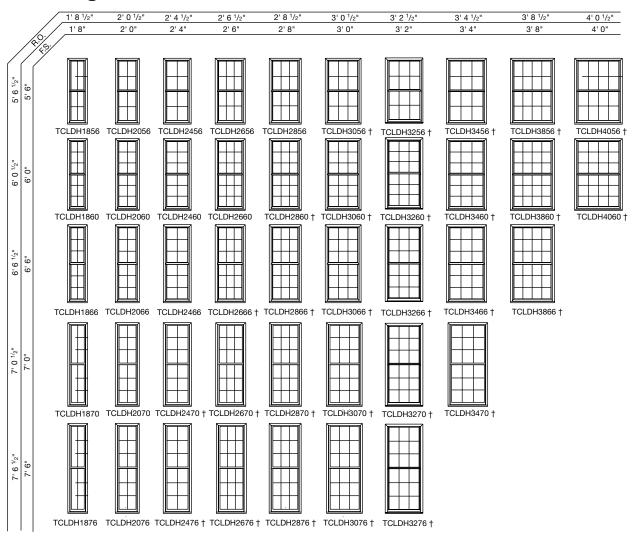
#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.



### **Double-Hung Window Sizes**



#### NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

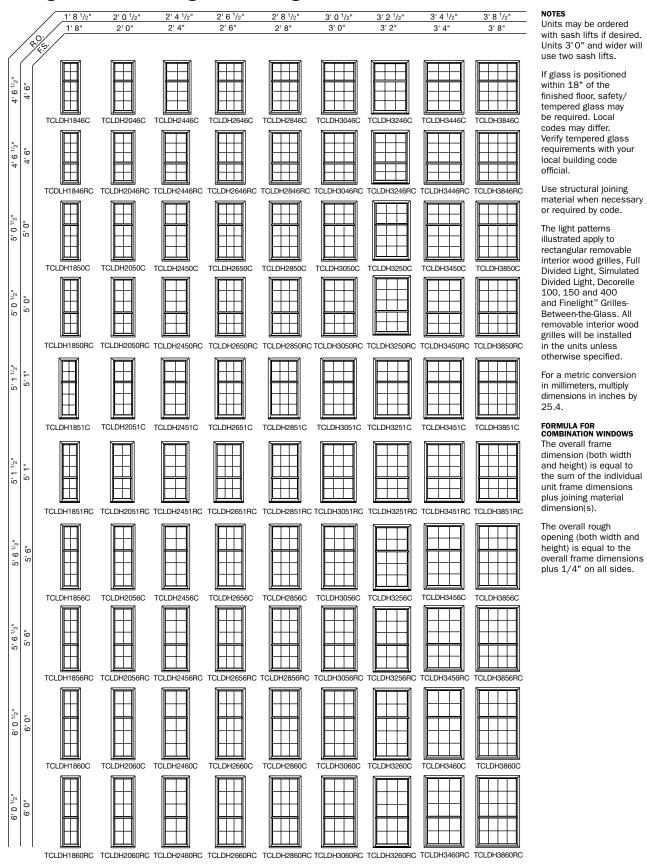
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

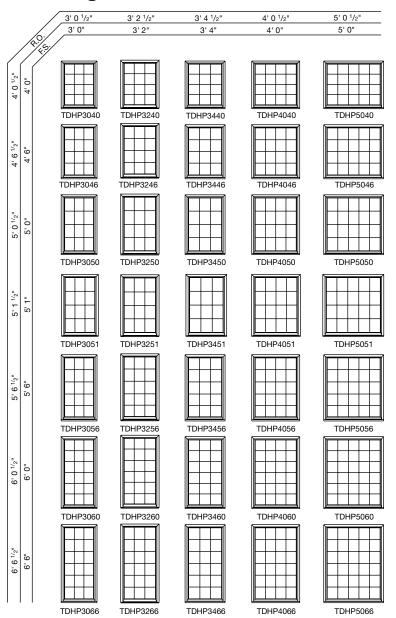
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

#### **Cottage & Reverse Cottage Double-Hung Window Sizes**





### **Double-Hung Picture Window Sizes**



#### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

#### FORMULA FOR COMBINATION WINDOWS

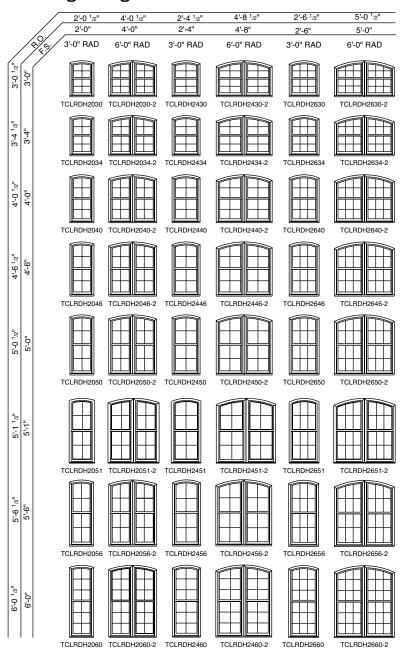
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

### **Double-Hung Transom Window Sizes**

	410.1/1		01.4.17.11	01.0.1/.11		01.0.1/.11	01.0.1/.11	01.4.17.11	01.0.1/.11	41.0.1/ !!	ELO 1/ II
	1'8 1/2		2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 <sup>1</sup> /2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"	5' 0 1/2"
	0./ 1'8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"	5' 0"
	\ \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\										
_/	/ 'Y										
2 1/2											
1.2	TDHT181	2 TDHT2012	TDHT2412	TDHT2612	TDHT2812	TDHT3012	TDHT3212	TDHT3412	TDHT3812	TDHT4012	TDHT5012
-  2   4						.5	151115212				
4 -											
- -	TDHT181	4 TDHT2014	TDHT2414	TDHT2614	TDHT2814	TDHT3014	TDHT3214	TDHT3414	TDHT3814	TDHT4014	TDHT5014
1.6"											
- 12											
	TDHT181	6 TDHT2016	TDHT2416	TDHT2616	TDHT2816	TDHT3016	TDHT3216	TDHT3416	TDHT3816	TDHT4016	TDHT5016
1/2											
= =											
-	TDHT181	8 TDHT2018	TDHT2418	TDHT2618	TDHT2818	TDHT3018	TDHT3218	TDHT3418	TDHT3818	TDHT4018	TDHT5018
1/2											
2'0'/2											
αl	TDHT182	0 TDHT2020	TDHT2420	TDHT2620	TDHT2820	TDHT3020	TDHT3220	TDHT3420	TDHT3820	TDHT4020	TDHT5020

### **Arch Single-Hung Window Sizes**



#### NOTES

Units may be ordered with sash lifts if desired. Units  $3^{\circ}0^{\circ}$  and wider will use two sash lifts.

Bottom sash operates up and down and tilts inward for cleaning. Top sash is fixed.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

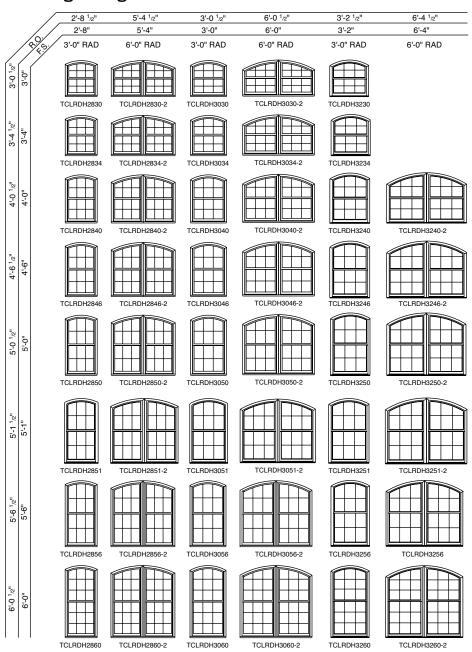
#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus  $1/4\mbox{"}$  on all sides.



### **Arch Single-Hung Window Sizes**



#### NOTES

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

Bottom sash operates up and down and tilts inward for cleaning. Top sash is fixed.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

#### **Arch Reverse Cottage Single-Hung Window Sizes**

			2'-0 1/2"	4'-0 1/2"	2'-4 1/2"	4'-8 1/2"	2'-6 1/2"	5'-0 <sup>1</sup> /2"
		//	2'-0"	4'-0"	2'-4"	4'-8"	2'-6"	5'-0"
/	/	/./ ?/2}/	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD
4'-6 1/2"	4'-6"		TCLRDH2046RC	TCLRDH2046-2RC	TCLRDH2446RC	TCLRDH2446-2RC	TCLRDH2646RC	TCLRDH2646-2RC
5'-0 1/2"	2'-0"		TCLRDH2050RC	TCLRDH2050-2RC	TCLRDH2450RC	TCLRDH2450-2RC	TCLRDH2650RC	TCLRDH2650-2RC
5'-1 1/2"	5'-1"		TCLRDH2051RC	TCLRDH2051-2RC	TCLRDH2451RC	TCLRDH2451-2RC	TCLRDH2651RC	TCLRDH2651-2RC
5'-6 1/2"	5'-6"		TCLRDH2056RC	TCLRDH2056-2RC	TCLRDH2456RC	TCLRDH2456-2RC	TCLRDH2656RC	TCLRDH2656-2RC
6'-0 1/2"	0-,9		TCLRDH2060RC	TCLRDH2060-2RC	TCLRDH2460RC	TCLRDH2460-2RC	TCLRDH2660RC	TCLRDH2660-2RC

#### OTES

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts

Bottom sash operates up and down and tilts inward for cleaning. Top sash is fixed.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

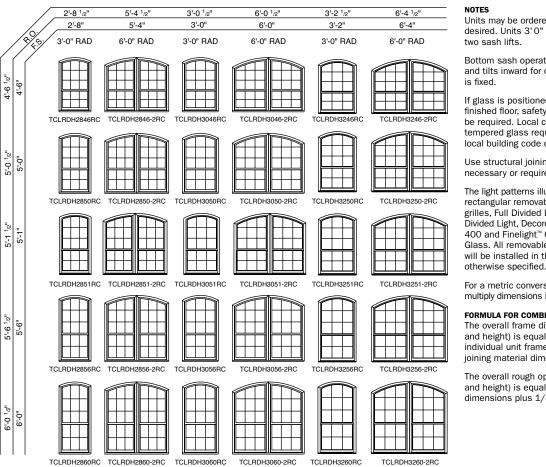
#### FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.



### **Arch Reverse Cottage Single-Hung Window Sizes**



Units may be ordered with sash lifts if desired. Units 3'0" and wider will use

Bottom sash operates up and down and tilts inward for cleaning. Top sash

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### FORMULA FOR COMBINATION WINDOWS

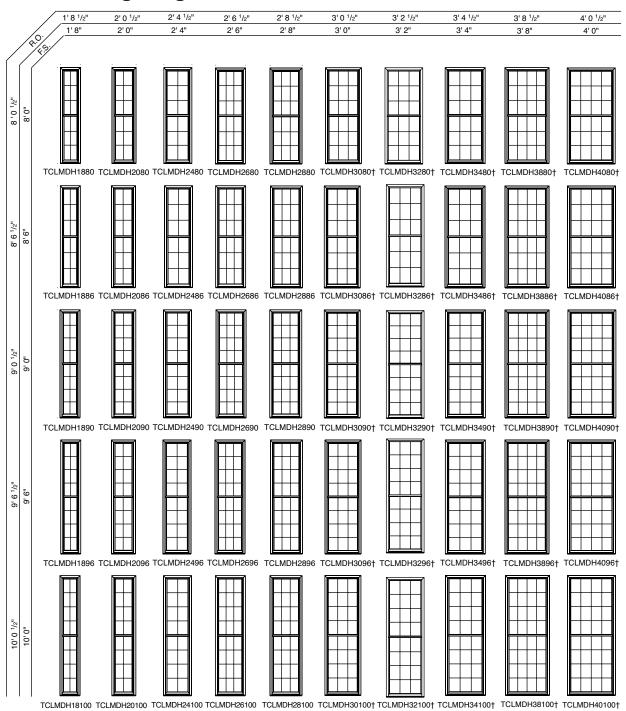
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

### **Double-Hung Direct-Set Transom Window Sizes**

	1' 8 <sup>1</sup> / <sub>2</sub> " 1' 8"	2' 0 <sup>1</sup> /2" 2' 0"	2' 4 <sup>1</sup> / <sub>2</sub> " 2' 4"	2' 6 <sup>1</sup> /2" 2' 6"	2' 8 <sup>1</sup> / <sub>2</sub> " 2' 8"	3' 0 <sup>1</sup> /2" 3' 0"	3' 2 <sup>1</sup> /2" 3' 2"	3' 4 <sup>1</sup> /2" 3' 4"	3' 8 <sup>1</sup> /2" 3' 8"	4' 0 <sup>1</sup> /2" 4' 0"	5' 0 <sup>1</sup> /2" 5' 0"
//.		20	2.4	2 0	2.0	3.0	3.2	3 4	3.0	4 0	3.0
1.2"	TDHT1812	TDHT2012	TDHT2412	TDHT2612	TDHT2812	TDHT3012	TDHT3212	TDHT3412	TDHT3812	TDHT4012	TDHT5012
1/2" 1'41/2"	TDHT1814	TDHT2014	TDHT2414	TDHT2614	TDHT2814	TDHT3014	TDHT3214	TDHT3414	TDHT3814	TDHT4014	TDHT5014
1,6	TDHT1816	TDHT2016	TDHT2416	TDHT2616	TDHT2816	TDHT3016	TDHT3216	TDHT3416	TDHT3816	TDHT4016	TDHT5016
1'8'/2"	TDHT1818	TDHT2018	TDHT2418	TDHT2618	TDHT2818	TDHT3018	TDHT3218	TDHT3418	TDHT3818	TDHT4018	TDHT5018
2'01/2"	TDHT1820	TDHT2020	TDHT2420	TDHT2620	TDHT2820	TDHT3020	TDHT3220	TDHT3420	TDHT3820	TDHT4020	TDHT5020

### **Monumental Single-Hung Window Sizes**



### NOTES

These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

Bottom sash operates up and down but does not tilt. Top sash is fixed.

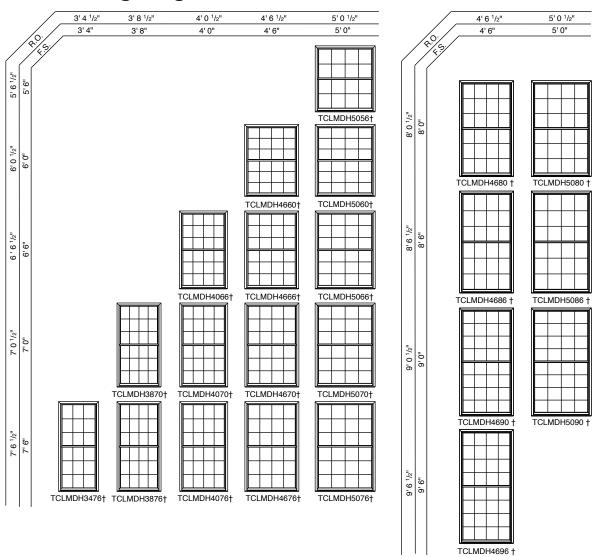
Units equal to or greater than 8'0" tall are limited to 24" of clear opening height.

Sash Ratio: Standard units are equal sash. However, Cottage and Reverse Cottage are available as an option with some limitations. Contact your local supplier for more information.

See notes on page 73 for more information.



### **Monumental Single-Hung Window Sizes**



### NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

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Sash Ratio: Standard units are equal sash. However, Cottage and Reverse Cottage are available as an option with some limitations. Contact your local supplier for more information.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### FORMULA FOR COMBINATION WINDOWS

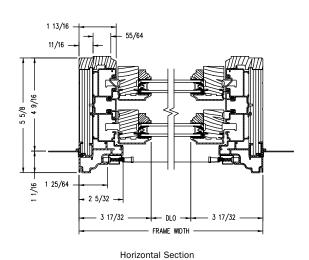
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

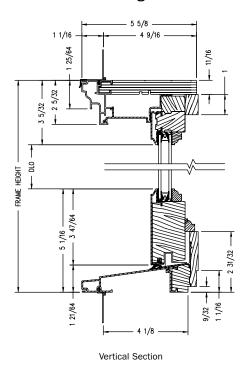
### **Double-Hung Windows**

# Donple-Hund 123/64 3 47/64 9/32 1 1/16 9/32 1 1/16 1 1/16 1 1/16

Vertical Section



**Double-Hung Picture** 



2 1/8 11/16 11/16 11/16 11/16 11/16 11/16 11/16 11/164

Shown with ovolo (colonial) glass stops.

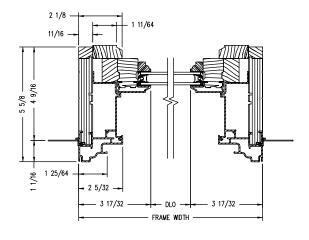


### **Double-Hung Windows**

### **Double-Hung Transom**

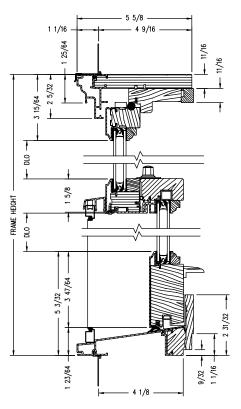
## RAME HDGHT 1.17/32 -2.5/32 -1.5/8

Vertical Section

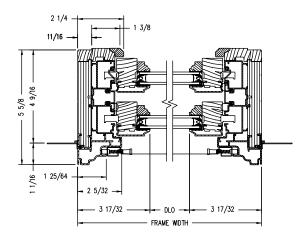


Horizontal Section

**Monumental Single-Hung** 

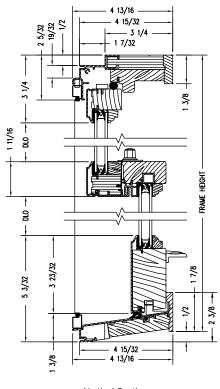


Vertical Section

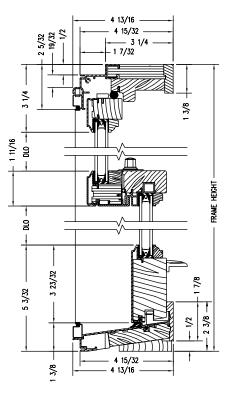


Horizontal Section

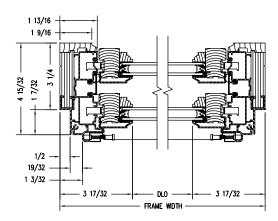
### **Double-Hung Insert Windows**



Vertical Section (For sill angles 8° and greater)



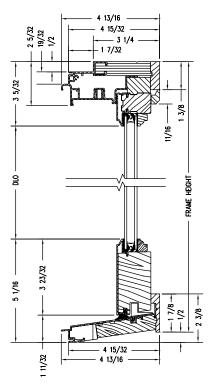
Vertical Section (For sill angles less than 8°)



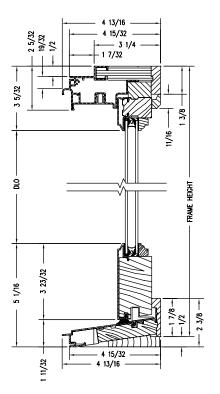
Horizontal Section



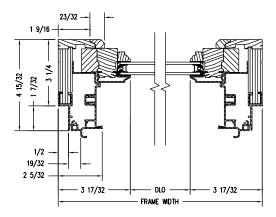
### **Double-Hung Picture Insert Windows**



Vertical Section (For sill angles 8° and greater)



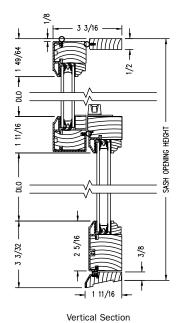
Vertical Section (For sill angles less than 8°)

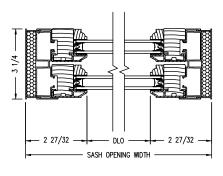


Horizontal Section

### **Double-Hung Sash Replacement Kits**

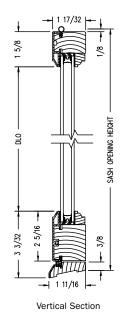
### **Double-Hung Sash Replacement**

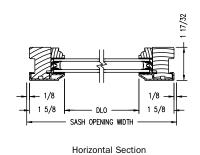




Horizontal Section

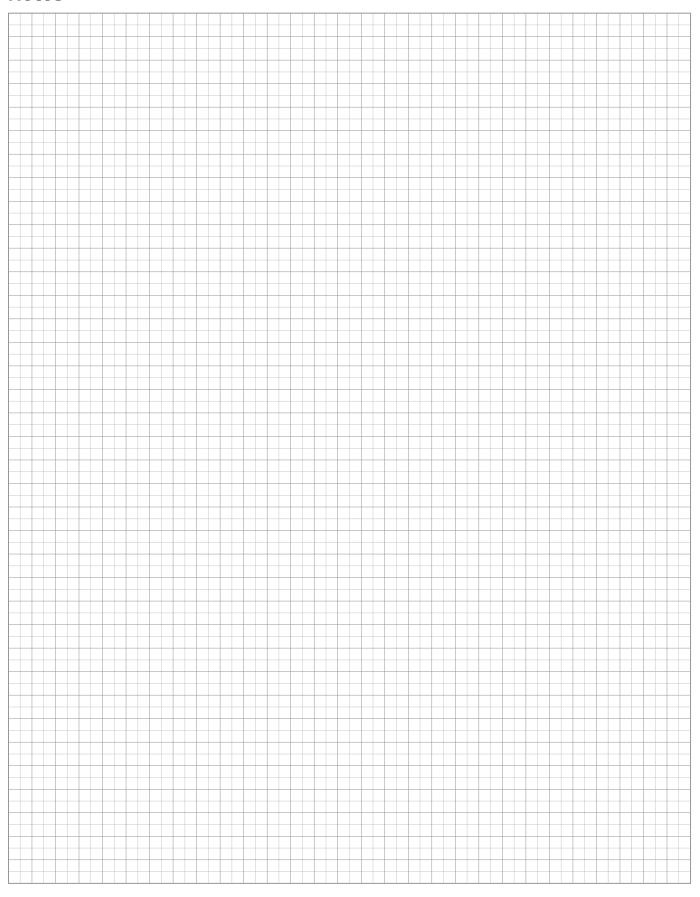
### **Double-Hung Picture Sash Replacement**





Shown with ovolo (colonial) glass stops.

### **Notes**



### **BAY & BOW WINDOWS**

E-Series bay and bow windows provide a focal point that is architecturally consistent inside and out, making any room feel spacious. They feature consistent sight lines when integrated with double-hung or casement windows, head and seat boards in birch or oak and an all-inclusive accessory package when ordered as a kit.

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### **FEATURES**

### **BAY & BOW WINDOWS**

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryapplied finishes are available in a variety of stains and paints.

Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Compression bulb weatherstrip is applied for a maximum weather seal.

### **GLASS**

• High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dualpane, high-altitude glass and other special glazing options are available.

Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

**GLASS SPACERS** available in black, white and stainless steel.



### **HEAD & SEAT BOARDS**

• Wood head and seat boards are available in birch or oak

### **HARDWARE**

See casement or double-hung sections for detailed hardware options.

### **EXTERIOR & INTERIOR OPTIONS**

**EXTERIOR COLORS** 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

### INTERIOR WOOD SPECIES



Mixed Grain Doualas Fir



Oak

Maple



Hickory Mahogany\*



Cherry





Walnut Vertical Grain



Alder White Oak



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

### **FACTORY-FINISHED INTERIORS**



Pine

Clear Coat







Hickory





Cinnamon









Douglas Fir

Espresso

### INTERIOR PAINTED OPTIONS



<sup>\*</sup>Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.



### **ACCESSORIES** Sold Separately

### **BAY & BOW WINDOWS**

### VeriLock & Open/Closed Sensors DISCONTINUED



### Open/Closed Sensors

### **INSECT SCREENS**

### TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

### **Conventional Insect Screens**

Charcoal fiberglass screen mesh fits into an aluminum frame. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

### **PRIVACY OPTIONS**

### System 3 Blinds for Casement Windows



A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy efficiency. Available in three colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

### System 3 Shades for Casement Windows

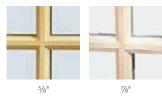
Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light.

See page 25 for more information on our blinds and shades.

### **GRILLES**

### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8",  $1\frac{1}{8}$ ,  $1\frac{1}{2}$ , or  $2\frac{1}{4}$  widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in  $\frac{5}{8}$ ,  $\frac{7}{8}$ ,  $1\frac{1}{8}$ ,  $1\frac{1}{2}$ , or  $2\frac{1}{4}$  widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



### Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



1" Contoured

### Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

### HARDWARE OPTIONS



Windows with VeriLock sensors use a different sash lock. See above for details.



Oil Rubbed Bronze | Pewter | Bright Brass | Brushed Chrome | White

Bold name denotes finish shown.

### HARDWARE FINISHES



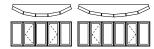
Oil rubbed bronze is a "living" finish that will change with time and use.

<sup>\*</sup>When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

### 10° Casement Bow Window Sizes







		WIDTH	-	
		WIDTH		
Rough Opg.	3-WIDE 4'-6 3/16"	4-WIDE 5'-11 5/8"	5-WIDE 7'-4 9/16"	6-WIDE 8'-8 3/4"
3'-0 1/2"	15 3/4 30-3	15 3/4 30-4	15 3/4 30-5	15 3/4 30-6
3'-4 1/2"	15 3/4 34-3	15 3/4 34-4	15 3/4 34-5	15 3/4 34-6
4'-0 1/2"	15 3/4 40-3	15 3/4 40-4	15 3/4 40-5	15 3/4 40-6
4'-6 1/2"	15 3/4 46-3	15 3/4 46-4	15 3/4 46-5	15 3/4 46-6
5'-0 1/2"	15 3/4 50-3	15 3/4 50-4	15 3/4 50-5	15 3/4 50-6
5'-6 1/2"	15 3/4 56-3	15 3/4 56-4	15 3/4 56-5	15 3/4 56-6
6'-0 1/2"	15 3/4 60-3	15 3/4 60-4	15 3/4 60-5	15 3/4 60-6
Projection	0'-3 5/32"	0'-6 1/4"	0'-9 11/32"	1'-1 15/16"
Rough Opg.	5'-0 7/8"	6'-8 1/2"	8'-3 7/16"	9'-9 11/16"
3'-0 1/2"	1830-3	1830-4	1830-5	1830-6
3'-4 1/2"	1834-3	1834-4	1834-5	1834-6
4'-0 1/2"	1840-3	1840-4	1840-5	1840-6
4'-6 1/2"	1846-3	1846-4	1846-5	1846-6
5'-0 1/2"	1850-3	1850-4	1850-5	1850-6
5'-6 1/2"	1856-3	1856-4	1856-5	1856-6
6'-0 1/2"	1860-3	1860-4	1860-5	1860-6
Projection	0'-3 9/16"	0'-7 1/32"	0'-10 1/2"	1'-3 21/32"
Rough Opg.	6'-0 3/4"	8'-0 3/16"	9'-10 7/8"	11'-8 5/8"
3'-0 1/2"	2030-3	2030-4	2030-5	2030-6
3'-4 1/2"	2034-3	2034-4	2034-5	2034-6
4'-0 1/2"	2040-3	2040-4	2040-5	2040-6
4'-6 1/2"	2046-3	2046-4	2046-5	2046-6
5'-0 1/2"	2050-3	2050-4	2050-5	2050-6
5'-6 1/2"	2056-3	2056-4	2056-5	2056-6
6'-0 1/2"	2060-3	2060-4	2060-5	2060-6
Projection	0'-4 1/4"	0'-8 13/32"	1'-0 9/16"	1'-6 3/4"
Rough Opg.	7'-0 5/8"	9'-3 7/8"	11'-6 1/4"	
3'-0 1/2"	2430-3	2430-4	2430-5	
3'-4 1/2"	2434-3	2434-4	2434-5	
4'-0 1/2"	2440-3	2440-4	2440-5	
4'-6 1/2"	2446-3	2446-4	2446-5	
5'-0 1/2"	2450-3	2450-4	2450-5	
5'-6 1/2"	2456-3	2456-4	2456-5	
6'-0 1/2"	2460-3	2460-4	2460-5	
Projection	0'-4 15/16"	0'-9 13/16"	1'-2 5/8"	
Projection	0'-4 15/16"	0'-9 13/16"	1'-2 5/8"	
,			12'-3 15/16"	
Rough Opg.	7'-6 9/16"	9'-11 11/16"	12'-3 15/16"	
Rough Opg. 3'-0 1/2"	7'-6 9/16" 2630-3	9'-11 11/16" 2630-4	12'-3 15/16" 2630-5	
Rough Opg. 3'-0 1/2" 3'-4 1/2"	7'-6 9/16" 2630-3 2634-3	9'-11 11/16" 2630-4 2634-4	12'-3 15/16" 2630-5 2634-5	
Rough Opg. 3'-0 1/2" 3'-4 1/2" 4'-0 1/2"	7'-6 9/16" 2630-3 2634-3 2640-3	9'-11 11/16" 2630-4 2634-4 2640-4	12'-3 15/16" 2630-5 2634-5 2640-5	
Rough Opg. 3'-0 1/2" 3'-4 1/2" 4'-0 1/2" 4'-6 1/2"	7'-6 9/16"  2630-3  2634-3  2640-3  2646-3	9'-11 11/16" 2630-4 2634-4 2640-4 2646-4	12'-3 15/16" 2630-5 2634-5 2640-5 2646-5	
Rough Opg.  3'-0 1/2"  3'-4 1/2"  4'-0 1/2"  4'-6 1/2"  5'-0 1/2"	7'-6 9/16"  2630-3  2634-3  2640-3  2646-3  2650-3	9'-11 11/16" 2630-4 2634-4 2640-4 2646-4 2650-4	12'-3 15/16" 2630-5 2634-5 2640-5 2646-5 2650-5	
Rough Opg. 3'-0 1/2" 3'-4 1/2" 4'-0 1/2" 4'-6 1/2"	7'-6 9/16"  2630-3  2634-3  2640-3  2646-3	9'-11 11/16" 2630-4 2634-4 2640-4 2646-4	12'-3 15/16" 2630-5 2634-5 2640-5 2646-5	

### NOTES

Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.



### 30° Casement Angle Bay Window Sizes



### NOTES

Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

	-			WIDTH			
30 Degree Casement Angle Bay Units							
	Rough Opg.	6'-5 11/16"	7'-1 11/16"	8'-1 11/16"	7'-0 5/8"	7'-8 5/8"	8'-8 5/8"
		1'	-8" Wide Flanker Un	its	2'	-0" Wide Flanker Un	its
		3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	1840-3440-1840	1840-4040-1840	1840-5040-1840	2040-3440-2040	2040-4040-2040	2040-5040-2040
	4'-6 1/2"	1846-3446-1846	1846-4046-1846	1846-5046-1846	2046-3446-2046	2046-4046-2046	2046-5046-2046
	5'-0 1/2"	1850-3450-1850	1850-4050-1850	1850-5050-1850	2050-3450-2050	2050-4050-2050	2050-5050-2050
	5'-6 1/2"	1856-3456-1856	1856-4056-1856	1856-5056-1856	2056-3456-2056	2056-4056-2056	2056-5056-2056
_	6'-0 1/2"	1860-3460-1860	1860-4060-1860	1860-5060-1860	2060-3460-2060	2060-4060-2060	2060-5060-2060
HEIGHT	Projection	0'-10 17/32"	0'-10 17/32"	0'-10 17/32"	1'-0 17/32"	1'-0 17/32"	1'-0 17/32"
里							
	Rough Opg.	7'-7 9/16"	8'-3 9/16"	9'-3 9/16"	7'-11"	8'-7"	9'-7"
		2'	-4" Wide Flanker Un	its	2'	-6" Wide Flanker Un	its
		3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	2440-3440-2440	2440-4040-2440	2440-5040-2440	2640-3440-2640	2640-4040-2640	2640-5040-2640
	4'-6 1/2"	2446-3446-2446	2446-4046-2446	2446-5046-2446	2646-3446-2646	2646-4046-2646	2646-5046-2646
	5'-0 1/2"	2450-3450-2450	2450-4050-2450	2450-5050-2450	2650-3450-2650	2650-4050-2650	2650-5050-2650
	5'-6 1/2"	2456-3456-2456	2456-4056-2456	2456-5056-2456	2656-3456-2656	2656-4056-2656	2656-5056-2656
	6'-0 1/2"	2460-3460-2460	2460-4060-2460	2460-5060-2460	2660-3460-2660	2660-4060-2660	2660-5060-2660
	Projection	1'-2 17/32"	1'-2 17/32"	1'-2 17/32"	1'-3 17/32"	1'-3 17/32"	1'-3 17/32"

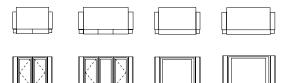
### 45° Casement Angle Bay Window Sizes



Г				WIDTH				
	45 Degree Casement Angle Bay Units							
	Rough Opg.	6'-0 3/4"	6'-8 3/4"	7'-8 3/4"	6'-6 3/8"	7'-2 3/8"	8'-2 3/8"	
		1'	-8" Wide Flanker Un	its	2'	-0" Wide Flanker Un	its	
		3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center	
	4'-0 1/2"	1840-3440-1840	1840-4040-1840	1840-5040-1840	2040-3440-2040	2040-4040-2040	2040-5040-2040	
	4'-6 1/2"	1846-3446-1846	1846-4046-1846	1846-5046-1846	2046-3446-2046	2046-4046-2046	2046-5046-2046	
	5'-0 1/2"	1850-3450-1850	1850-4050-1850	1850-5050-1850	2050-3450-2050	2050-4050-2050	2050-5050-2050	
	5'-6 1/2"	1856-3456-1856	1856-4056-1856	1856-5056-1856	2056-3456-2056	2056-4056-2056	2056-5056-2056	
L	6'-0 1/2"	1860-3460-1860	1860-4060-1860	1860-5060-1860	2060-3460-2060	2060-4060-2060	2060-5060-2060	
퓨G포	Projection	1'-3 5/32"	1'-3 5/32"	1'-3 5/32"	1'-6"	1'-6"	1'-6"	
単								
	Rough Opg.	7'-0"	7'-8"	8'-8"	7'-2 7/8"	7'-10 7/8"	8'-10 7/8"	
		2'	-4" Wide Flanker Un	its	2'	-6" Wide Flanker Un	its	
		3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center	
	4'-0 1/2"	2440-3440-2440	2440-4040-2440	2440-5040-2440	2640-3440-2640	2640-4040-2640	2640-5040-2640	
	4'-6 1/2"	2446-3446-2446	2446-4046-2446	2446-5046-2446	2646-3446-2646	2646-4046-2646	2646-5046-2646	
	5'-0 1/2"	2450-3450-2450	2450-4050-2450	2450-5050-2450	2650-3450-2650	2650-4050-2650	2650-5050-2650	
	5'-6 1/2"	2456-3456-2456	2456-4056-2456	2456-5056-2456	2656-3456-2656	2656-4056-2656	2656-5056-2656	
	6'-0 1/2"	2460-3460-2460	2460-4060-2460	2460-5060-2460	2660-3460-2660	2660-4060-2660	2660-5060-2660	
	Projection	1'-8 13/16"	1'-8 13/16"	1'-8 13/16"	1'-10 7/32"	1'-10 7/32"	1'-10 7/32"	

### **BAY & BOW WINDOWS**

### 90° Casement Box Bay Window Sizes



			WIDTH				
	Rough Openings	3'-0"	4'-5 3/4"	4'-0 1/2"	5'-0 1/2"		
HEIGHT		15 3/4-2 Center	15 3/4 -3 Center	4'-0" Center	5'-0" Center		
ΙË	3'-0 1/2"	15 3/4 30-2	15 3/4 30-3	4030	5030		
+	4'-0 1/2"	15 3/4 40-2	15 3/4 40-3	4040	5040		
	5'-0 1/2"	15 3/4 50-2	15 3/4 50-3	4050	5050		
	Projection	1'-10 7/8"	1'-10 7/8"	1'-10 7/8"	1'-10 7/8"		
	1'-5 3/4" wide operating casement flankers are standard on all box bay units.						

### NOTES

Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

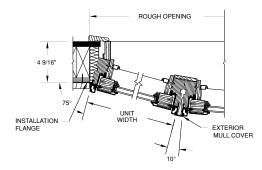


### 3-Wide 10° Casement Bow Windows

### ROUGH OPENING 4 9/16" 80° UNIT WIDTH EXTERIOR MULL COVER

Horizontal Section

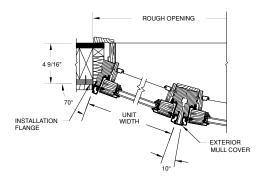
### 4-Wide 10° Casement Bow Windows



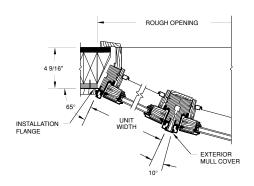
Horizontal Section

### 5-Wide 10° Casement Bow Windows

### 6-Wide 10° Casement Bow Windows

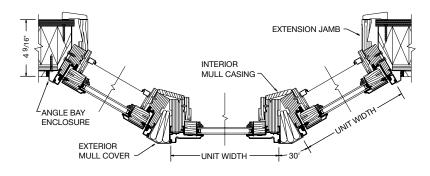


Horizontal Section



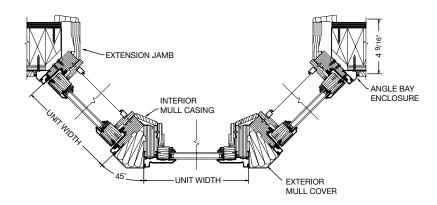
Horizontal Section

### 30° Casement Angle Bay Windows



Horizontal Section

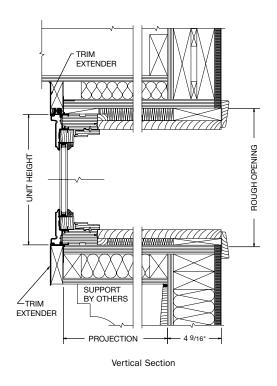
### 45° Casement Angle Bay Windows

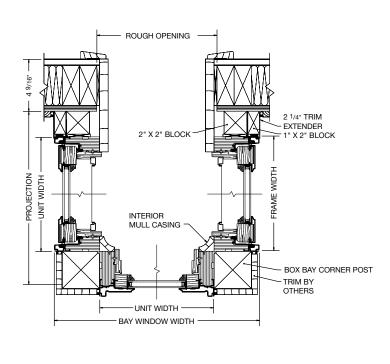


Horizontal Section

### **Casement Bay/Bow Windows**

### 90° Casement Box Bay Windows





Horizontal Section



### 30° Double-Hung Angle Bay Window Sizes



			WIDTI	Н			
		30 1	Degree Double-Hun	g Angle Bay Units			
	Rough Opg.	6'-3 11/16"	6'-5 11/16"	6'-7 11/16"	7'-3 11/16"	8'-3 11/16"	
			1'-	-8" Wide Flanker Uni	ts		
		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center	
	4'-0 1/2"	1840-3040-1840	1840-3240-1840	1840-3440-1840	1840-4040-1840	1840-5040-1840	
	4'-6 1/2"	1846-3046-1846	1846-3246-1846	1846-3446-1846	1846-4046-1846	1846-5046-1846	
	4'-9 1/2"	1849-3049-1849	1849-3249-1849	1849-3449-1849	1849-4049-1849	1849-5049-1849	
	5'-0 1/2"	1850-3050-1850	1850-3250-1850	1850-3450-1850	1850-4050-1850	1850-5050-1850	
	5'-1 1/2"	1851-3051-1851	1851-3251-1851	1851-3451-1851	1851-4051-1851	1851-5051-1851	
	5'-6 1/2"	1856-3056-1856	1856-3256-1856	1856-3456-1856	1856-4056-1856	1856-5056-1856	
	6'-0 1/2"	1860-3060-1860	1860-3260-1860	1860-3460-1860	1860-4060-1860	1860-5060-1860	
	Projection	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"	
	Rough Opg.	6'-10 5/8"	7'- 0 5/8"	7'-2 5/8"	7'-10 5/8"	8'-10 5/8"	
	nough opg.	2'-0" Wide Flanker Units					
느		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center	
HEIGHT	41.0.4./01						
ሦ	4'-0 1/2"	2040-3040-2040	2040-3240-2040	2040-3440-2040	2040-4040-2040	2040-5040-2040	
	4'-6 1/2"	2046-3046-2046	2046-3246-2046	2046-3446-2046	2046-4046-2046	2046-5046-2046	
	4'-9 1/2"	2049-3049-2049	2049-3249-2049	2049-3449-2049	2049-4049-2049	2049-5049-2049	
	5'-0 1/2"	2050-3050-2050	2050-3250-2050	2050-3450-2050	2050-4050-2050	2050-5050-2050	
	5'-1 1/2"	2051-3051-2051	2051-3251-2051	2051-3451-2051	2051-4051-2051	2051-5051-2051	
	5'-6 1/2"	2056-3056-2056	2056-3256-2056	2056-3456-2056	2056-4056-2056	2056-5056-2056	
	6'-0 1/2"	2060-3060-2060	2060-3260-2060	2060-3460-2060	2060-4060-2060	2060-5060-2060	
	Projection	1'-0 3/4"	1'-0 3/4"	1'-0 3/4"	1'-0 3/4"	1'-0 3/4"	
	Rough Opg.	7'-5 1/2"	7'-7 1/2"	7'-9 1/2"	8'-5 1/2"	9'-5 1/2"	
			2'-	4" Wide Flanker Uni	ts		
		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center	
	4'-0 1/2"	2440-3040-2440	2440-3240-2440	2440-3440-2440	2440-4040-2440	2440-5040-2440	
	4'-6 1/2"	2446-3046-2446	2446-3246-2446	2446-3446-2446	2446-4046-2446	2446-5046-2446	
	4'-9 1/2"	2449-3049-2449	2449-3249-2449	2449-3449-2449	2449-4049-2449	2449-5049-2449	
	5'-0 1/2"	2450-3050-2450	2450-3250-2450	2450-3450-2450	2450-4050-2450	2450-5050-2450	
	5'-1 1/2"	2451-3051-2451	2451-3251-2451	2451-3451-2451	2451-4051-2451	2451-5051-2451	
	5'-6 1/2"	2456-3056-2456	2456-3256-2456	2456-3456-2456	2456-4056-2456	2456-5056-2456	
	6'-0 1/2"	2460-3060-2460	2460-3260-2460	2460-3460-2460	2460-4060-2460	2460-5060-2460	
	Projection	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"	

### NOTES

Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system

Insulated platforms and brackets are not included.

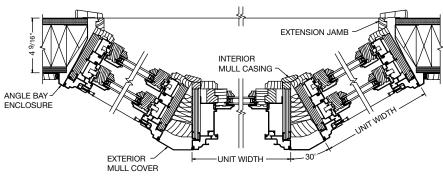
### 45° Double-Hung Angle Bay Window Sizes



			WID	ГН					
	45 Degree Double-Hung Angle Bay Units								
	Rough Opg.	5'-11 1/16"	6'-1 1/16"	6'-3 1/16"	6'-11 1/16"	7'-11 1/16"			
		1'-8" Wide Flanker Units							
		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center			
	4'-0 1/2"	1840-3040-1840	1840-3240-1840	1840-3440-1840	1840-4040-1840	1840-5040-1840			
	4'-6 1/2"	1846-3046-1846	1846-3246-1846	1846-3446-1846	1846-4046-1846	1846-5046-1846			
	4'-9 1/2"	1849-3049-1849	1849-3249-1849	1849-3449-1849	1849-4049-1849	1849-5049-1849			
	5'-0 1/2"	1850-3050-1850	1850-3250-1850	1850-3450-1850	1850-4050-1850	1850-5050-1850			
	5'-1 1/2"	1851-3051-1851	1851-3251-1851	1851-3451-1851	1851-4051-1851	1851-5051-1851			
	5'-6 1/2"	1856-3056-1856	1856-3256-1856	1856-3456-1856	1856-4056-1856	1856-5056-1856			
	6'-0 1/2"	1860-3060-1860	1860-3260-1860	1860-3460-1860	1860-4060-1860	1860-5060-1860			
	Projection	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"			
	Rough Opg.	6'-4 3/4"	6'-6 3/4"	6'-8 3/4"	7'-4 3/4"	8'-4 3/4"			
		2'-0" Wide Flanker Units							
노		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center			
HEIGHT	4'-0 1/2"	2040-3040-2040	2040-3240-2040	2040-3440-2040	2040-4040-2040	2040-5040-2040			
Τ	4'-6 1/2"	2046-3046-2046	2046-3246-2046	2046-3446-2046	2046-4046-2046	2046-5046-2046			
	4'-9 1/2"	2049-3049-2049	2049-3249-2049	2049-3449-2049	2049-4049-2049	2049-5049-2049			
	5'-0 1/2"	2050-3050-2050	2050-3250-2050	2050-3450-2050	2050-4050-2050	2050-5050-2050			
	5'-1 1/2"	2051-3051-2051	2051-3251-2051	2051-3451-2051	2051-4051-2051	2051-5051-2051			
	5'-6 1/2"	2056-3056-2056	2056-3256-2056	2056-3456-2056	2056-4056-2056	2056-5056-2056			
	6'-0 1/2"	2060-3060-2060	2060-3260-2060	2060-3460-2060	2060-4060-2060	2060-5060-2060			
	Projection	1'-6 1/2"	1'-6 1/2"	1'-6 1/2"	1'-6 1/2"	1'-6 1/2"			
	.,								
	Rough Opg.	6'-10 3/8"	7'-0 3/8"	7'-2 3/8"	7'-10 3/8"	8'-10 3/8"			
				-4" Wide Flanker Un					
		3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center			
	4'-0 1/2"	2440-3040-2440	2440-3240-2440	2440-3440-2440	2440-4040-2440	2440-5040-2440			
	4'-6 1/2"	2446-3046-2446	2446-3246-2446	2446/3446-2446	2446-4046-2446	2446-5046-2446			
	4'-9 1/2"	2449-3049-2449	2449-3249-2449	2449-3449-2449	2449-4049-2449	2449-5049-2449			
	5'-0 1/2"	2450-3050-2450	2450-3250-2450	2450-3450-2450	2450-4050-2450	2450-5050-2450			
	5'-1 1/2"	2451-3051-2451	2451-3251-2451	2451-3451-2451	2451-4051-2451	2451-5051-2451			
	5'-6 1/2"	2456-3056-2456	2456-3256-2456	2456-3456-2456	2456-4056-2456	2456-5056-2456			
	6'-0 1/2"	2460-3060-2460	2460-3260-2460	2460-3460-2460	2460-4060-2460	2460-5060-2460			
	Projection	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"			



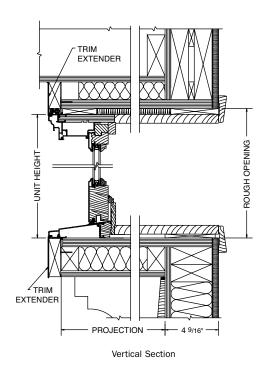
### 30° Double-Hung Angle Bay Windows

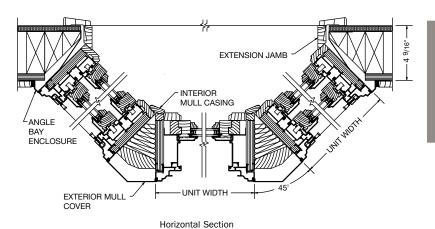


### Horizontal Section

### **Double-Hung Angle Bay Windows**

### 45° Double-Hung Angle Bay Windows





Shown with ovolo (colonial) glass stops.

### **GLIDING WINDOWS**

Functionality is the key to our gliding window. Efficient space utilization and sleek lines make this window the right choice for that tight, hard-to-manage space. With two or three sash systems all-in-one frame and discreet hardware creating clear, unobstructed views, these windows offer a cost-effective design with modern efficiencies.

Gliding Window Overview			
Sizing			
Gliding 2-Sash	96		
Gliding 3-Sash	96		
Window Details	97		
Installation Materials	154		
Product Performance	158		







### **FEATURES**

### **GLIDING WINDOWS**

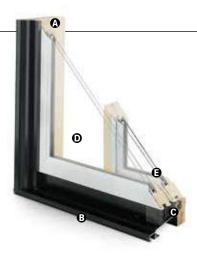
### **FRAME & SASH**

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryapplied finishes are available in a variety of stains and paints.

Wood components are fitted with aluminum extrusions on the exterior 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Vinyl installation flanges are preapplied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

Compression foam-filled bulb weatherstrip is applied on the sill for maximum resistance to water and air infiltration. Outside and inside sash are sealed with a compression bulb weatherstrip at the meeting stile.



### **HEAD & SILL TRACK**

The frame consists of a rigid vinyl head and sill track. The compressionstyle head track helps create a positive seal between the sash and frame.

### **GLASS**

• High-Performance Low-E4® glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

**G** Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel

### **HARDWARE**

Sash locks and keepers give a slim, more traditional design and allow easy opening.

Slim Line sash pulls allow easy operation and do not interfere with window coverings.

### HARDWARE OPTIONS







Antique Brass | **Black** Bronze | Brushed Chrom

different sash lock. See the next page for details. Bold name denotes finish shown.

Chrome

### **UPDATED Hardware Finishes**



Black Bronze Antique Brass



Brushed Oil Rubbed

Bronze

Oil rubbed bronze is a "living" finish that will change with time and use.

### O Pewtere Polished **PWhite**

### **EXTERIOR & INTERIOR OPTIONS**

**EXTERIOR COLORS** 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

### INTERIOR WOOD SPECIES



Mixed Grain Pine Doualas Fir





Maple



Hickory Mahogany\*



Cherry











### Alder White Oak

### **FACTORY-FINISHED INTERIORS**



Clear Coat

Wheat Autumn Oak





Hickory





Cinnamon



Russet



Mocha

Walnut



Espresso

Vertical Grain

Douglas Fir

Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

### INTERIOR PAINTED OPTIONS





### **ACCESSORIES** Sold Separately

### **GLIDING WINDOWS**

### VeriLock & Open/Closed Sensors DISCONTINUED



VeriLock sensors are unique as they detect whether the windows are locked or unlocked\*— a feature no other sensors can provide. Available in all hardware finishes

### Open/Closed Sensors

Wireless open/closed sensors

See page 27 for Smart Home options.

### **INSECT SCREENS**

### TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

### Conventional Insect Screens



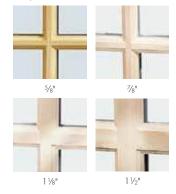
Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

### **GRILLES**

### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5%, 78, 11/8, 11/2, or 21/4 widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 1/8", 1/6", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



### Finelight™ Grilles-Between-the-Glass

Available in 5%" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



### Removable Interior Wood Grilles

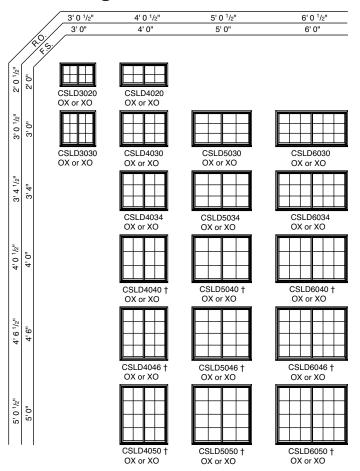
Removable interior wood grilles are available in a 7%" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



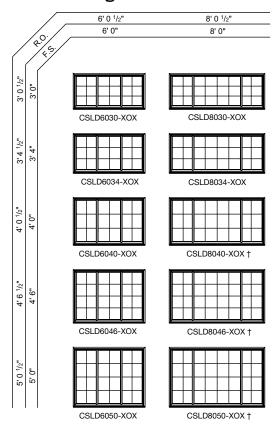
See page 22 for more information on grilles.

<sup>\*</sup>When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

### 2-Sash Gliding Window Sizes

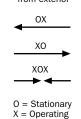


### 3-Sash Gliding Window Sizes





NOTES



† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6'10-1/2" structural header height). See your local code official for requirements in your area.

3-sash gliding units use 2'0" operating sash as a standard. Additional sash ratios also available.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

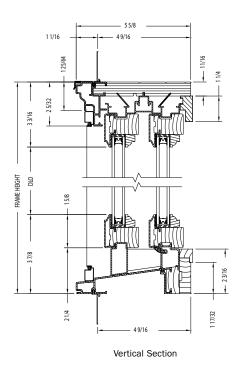
Use structural joining material when necessary or required by code.

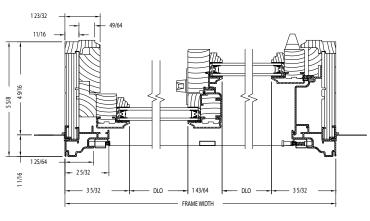
The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.



### 2-Sash Gliding Windows

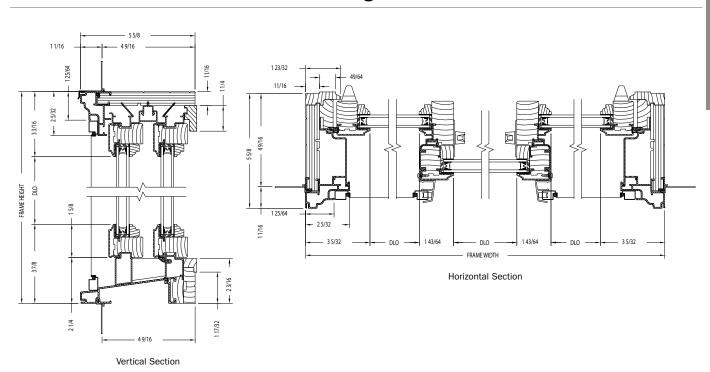




Horizontal Section

Shown with ovolo (colonial) glass stops.

### **3-Sash Gliding Windows**



### **SPECIALTY WINDOWS**

Our made-to-order philosophy lets you be creative with your look. Design your very own window using basic or unique shapes and add decorative glass for a creative accent. Our specialty profiles even complement double-hung and casement details for ultimate design flexibility.

Specialty Window Overview	100
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Circle & Oval	104
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### SPECIALTY WINDOWS

### **FEATURES**

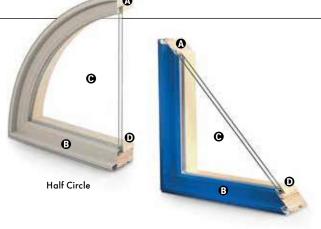
### **SPECIALTY WINDOWS**

### **FRAME & SASH**

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany,\* maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryapplied finishes are available in a variety of stains and paints.

Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Vinyl installation flanges are preapplied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.



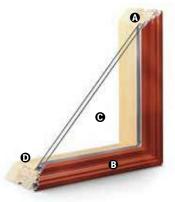
### Geometric Specialty

### GLASS

• High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dualpane, high-altitude glass and other special glazing options are available.

• Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.



### Double-Hung Specialty

In addition to our standard profile, a double-hung specialty frame profile is also available for half circle and geometric specialty windows.

### **EXTERIOR & INTERIOR OPTIONS**

**EXTERIOR COLORS** 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

### INTERIOR WOOD SPECIES



### INTERIOR PAINTED OPTIONS





### **ACCESSORIES** Sold Separately

### **SPECIALTY WINDOWS**

### **PRIVACY OPTIONS**

### Blinds-Between-the-Glass



A 5/8" aluminum slat blind is encased between two panes of insulated glass in a dust-free environment (rectangular shapes only). Available colors are white, tan and almond. Blind can be tilted or raised and lowered with the use of one cord (not all sizes are retractable).

### System 3 Blinds



A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy efficiency. Available in three colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

### System 3 Shades

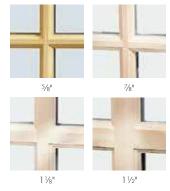
Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light.

See page 25 for more information on our blinds and shades.

### **GRILLES**

### **Full Divided Light**

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in  $\frac{1}{8}$ ,  $\frac{1}{8}$ ,  $\frac{1}{8}$ ,  $\frac{1}{2}$ , or  $\frac{2}{4}$  widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 1/8", 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



### Finelight™ Grilles-Between-the-Glass

Available in 1%" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



### Removable Interior Wood Grilles

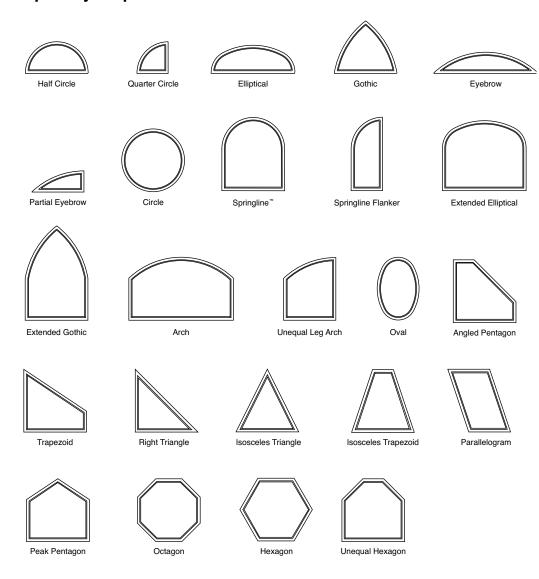
Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

### SPECIALTY WINDOWS

### **Specialty Shapes**



### NOTES

The following general guidelines do not apply to every specialty shape. Contact your local supplier for specific limitations of the specialty shapes shown above or about creating custom shapes beyond those shown here.

Overall unit block size should not be larger than 50 sq. ft.

Frame width and height must be between 9" and 144".

Units can only be larger than 82" in one direction.

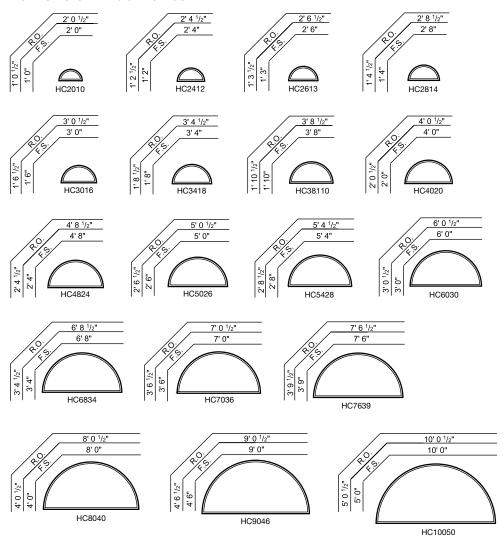
Corners/angles cannot be less than 27°.

### Standard radiuses include:

1' 0"	3' 0"	7' 0"
1' 2"	3' 1"	7' 6"
1' 3"	3' 3"	8' 0"
1' 4"	3' 4"	9' 0"
1' 6"	3' 6"	10' 7"
1' 6-23/32	" 3'9"	12' 0"
1' 8"	4' 0"	13' 8"
1' 10"	4' 6"	15' 0"
2' 0"	5' 0"	16' 0"
2' 4"	5' 6"	17' 10"
2' 6"	6' 0"	19' 8"
2' 8"	6' 6"	
2' 10-19/3	2"	



### **Half Circle Window Sizes**



### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

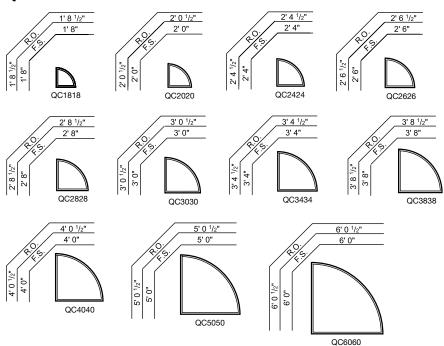
Use structural joining material when necessary or required by code.

Some limitations exist for light patterns for removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight<sup>w</sup> Grilles-Between-the-Glass. Please contact your local supplier for more information. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

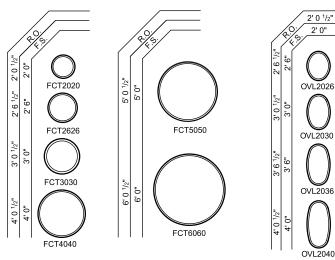
### SPECIALTY WINDOWS

### **Quarter Circle Window Sizes**



### **Circle Window Sizes**

### **Oval Window Sizes**



### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

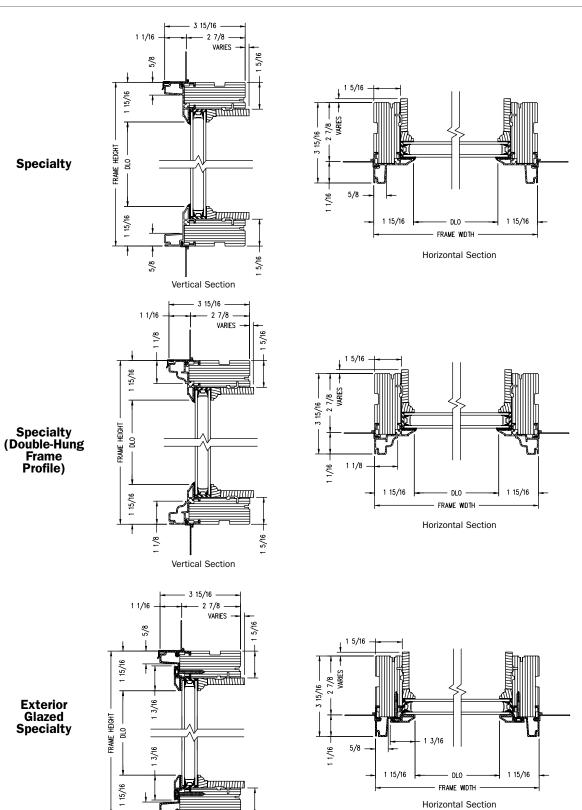
Use structural joining material when necessary or required by code.

Some limitations exist for light patterns for removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. Please contact your local supplier for more information. All wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.



### **Specialty Windows**



2/8

Vertical Section

Horizontal Section

### **HINGED PATIO DOORS**

Bottom and intermediate rail options are just the start to this door's solid design.

Select contemporary or French styling, go as high as 10 feet, add venting inswing or outswing sidelights or raised solid wood panel inserts and create a truly custom look.

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Custom sizing is available.





### **HINGED PATIO DOORS**

### **FEATURES**

### **HINGED PATIO DOORS**

### **FRAME & PANEL**

Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryaplied finishes are available in a variety of stains and paints.

• Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

**©** The frame perimeter consists of a high-quality foam-filled weatherstrip.

Inswing and outswing doors receive a factory-applied vinyl installation flange with drip cap. Some inswing patio doors require an adjustable metal installation flange. Optional aluminum flanges and metal installation clips are available.

### SILL

### Drainage Sill for Inswing Patio Doors

• Premium grade aluminum inswing sill with an oak threshold. Sills have a built-in drainage channel that allows water to drain away from the interior of the door. A top plate is removable for easy channel cleaning. A polyurethane thermal barrier helps reduce heat loss. Available in clear anodized or dark bronze anodized finish, shown below.





Drainage sills for inswing



Inswing Patio Door with Contemporary Panel

### On-Floor Sill for Outswing Patio Doors

 Premium grade aluminum outswing sill with oak threshold. Outswing door sill is backed with a compression foam weatherstrip. Available in clear anodized or dark bronze anodized finish, shown below.

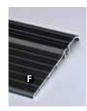




On-floor sills for outswing

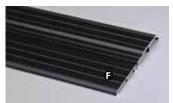
### Low-Threshold Sill

• Aluminum low threshold sill available for outswing doors and inswing doors. Available for inswing doors with jamb depths of 4 %<sub>6</sub>" and 6 %<sub>16</sub>". Low threshold design provides a smooth transition from interior to exterior and is wheelchair-accessible. A polyurethane thermal barrier helps reduce heat loss. Available in dark bronze anodized finish, shown below.





4%16" & 6%16" Low-threshold sills for inswing



4 %16" Low-threshold sill for outswing

## **B B C C**

Outswing Patio Door with French Panel

### GLASS

 ⊕ High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dualpane, high-altitude glass and other special glazing options are available.

(1) Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

### **HARDWARE**

### Multi-Point Locking System

Autolatch® stainless steel multi-point locking system locks the panel in three locations to provide a secure, weather-resistant entry system. Some door heights lock the panel in four locations.

### Hinges



Heavy-duty commercial grade hinges are available in finishes of antique brass, black, bright brass, satin chrome, pewter, gold dust, oil rubbed bronze, bright chrome, stainless steel, and white to go with your handle set. Hinges are complete with matching screws. An innovative hinge shimming system allows for minor adjustments.

Satin Chrome, Gold Dust and Bright Chrome DISCONTINUED



### **EXTERIOR & INTERIOR OPTIONS**

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

### **INTERIOR WOOD SPECIES**





### INTERIOR PAINTED OPTIONS







Distressed Bronze Distressed Nickel

Distressed Bronze Distressed Nickel

Antique Brass Bright Brass Brushed Chrome

### Oil Rubbed Bronze

Polished Chrome Satin Nickel

### Bright Brass

Oil Rubbed Bronze Bright Brass Satin Nickel

Antique Brass

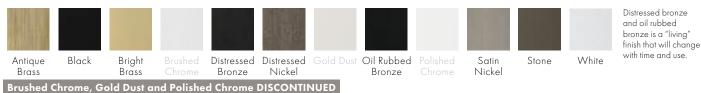
Black

Gold Dust Stone White

Black Stone White

Bold name denotes finish shown.

### **HARDWARE FINISHES**



\*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Matching hinges available in most hardware finishes for inswing patio doors.

Mix and match interior and exterior style and finish options are available, excludes FSB hardware.

Bright brass and satin nickel finishes feature a 10-year limited warranty.

Tribeca and Albany hardware are zinc diecast with powdercoated durable finish, other hardware is solid forged brass. Printing limitations prevent exact replication of colors and finishes. See your Andersen supplier for actual color and finish samples.

"FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co.



**Black Anodized Aluminum** Satin Stainless Steel

Black Satin Anodized Stainless Aluminum Steel

Satin Stainless Steel

### **FEATURES**

### **HINGED PATIO DOORS**

### **RAISED PANEL INSERTS**



Available in ½ and ¾ light options. Real wood, available in all wood species, makes up the interior panel insert. The exterior panel insert is made of formed aluminum cladding and is available in all 50 exterior colors and any custom color.

The raised panel inserts are based on the standard 8" bottom rail with  $4\,^{11}\!V_{16}$ " stiles. Available in nine widths to match standard door panel sizes.

Additional intermediate rail options available allowing glass lights to be placed above and below the intermediate rail.

### **TRANSOMS**



Available in two jamb depths to align with your inswing door jamb depth. Design is sloped for water disbursement. Inswing and outswing sash-set transoms are available with  $2\sqrt[3]{4}$ ",  $3\sqrt[1]{6}$ ",  $4\sqrt[1]{16}$ " and  $6\sqrt[1]{2}$ " stiles to match your door.

### **SIDELIGHTS**



Outswing venting sidelights have concealed locks and operate with our convenient folding operator handles. Interior wood-veneered insect screen can be customized to match your interior wood species and finish.

Inswing venting sidelights come with special hardware that locks in the center and complements the door's handle set. When the handle is activated upwards, shoot bolts engage at the head and sill for added security. Inswing venting sidelights feature an exterior insect screen.

Non-venting direct-set and sash-set sidelights are also available for both inswing and outswing patio doors.

### **CENTER POST DOOR**



Allows door panels to be hinged at the center or at the jamb. Available in two jamb depths: 4% and 6%."

The center post is clad laminated veneer lumber (LVL) that provides exceptional structural integrity. A tophung gliding insect screen is available on the inswing center post door.

### **COMMERCIAL DOOR PANELS**

Available in single or double door applications. The commercial door panel has a 12" bottom rail, 6  $\frac{1}{2}$ " stiles and optional 5  $\frac{5}{10}$ " intermediate rail.

### CONCEALED PANIC SYSTEM DOOR



We have created an innovative Concealed Panic System (CPS), eliminating the need for a center astragal and exposed vertical rods on double doors. This system provides a clear opening while maintaining a sleek, uncluttered interior look. The system locks at the head and sill for added security. You get the same warm, real wood interior you've come to expect from us without the unsightly clutter common to most commercial doors.

We've also aligned with Von Duprin® the most recognized and trusted brand of commercial hardware in the window and door industry. Von Duprin, along with the Ingersoll-Rand family of brands, provides premium push bars, handle sets, closers and kick plates to make the CPS door truly innovative. Plus, our doors are factory-prepped, making installation much easier.

### **ACCESSORIES** Sold Separately

### **HINGED PATIO DOORS**

### **HARDWARE**

### Construction Handle



Temporary construction handle is sent with all hinged patio doors. This handle allows operation during the construction phase, protecting finished hardware from damage or jobsite theft.

### Hardware Options

Additional hardware options such as exterior keyed locks and more are also available. Contact your Andersen supplier.

### **SENSORS**

### Yale® Assure Lock®

Monitor, lock and unlock from anywhere with the Yale Assure Lock. The sleek keyless lock includes Bluetooth® technology for key-free unlocking and is compatible with Z-Wave® for integration with a wide range of smart home platforms. Available on select hinged doors, see your Andersen supplier for details.

### VeriLock & Open/Closed Sensors DISCONTINUED

detect whether the doors are locked or unlocked" — a feature no other sensors can provide. Available in all hardware finishes.

### Open/Closed Sensors

Wireless open/closed sensors are available in four colors.

See page 27 for Smart Home options.

### **INSECT SCREENS**



Concealed, retractable insect screen has charcoal fiberglass screen mesh. Available for inswing single or double door units. Insect screen rolls out when needed and retracts into concealed housing when not in use. Available in 50 exterior colors.

Retractable insect screens for outswing doors are field applied to the interior of the door. Available in five colors including white, almond, desert sand, bronze and black.

### Hinged Insect Screens for Inswing Patio Doors

Charcoal fiberglass screen mesh fits into an aluminum frame in 50 exterior colors. Provided with a black lockable latch and automatic closer for smooth operation. Available in single or multiple door units. Aluminum screen mesh is also available.

### Top-Hung Gliding Insect Screens for Inswing Center Post Patio Doors

Charcoal fiberglass screen mesh fits into an aluminum frame available in 50 exterior colors. Aluminum screen mesh is also available.

### **PRIVACY OPTIONS**

### Blinds-Between-the-Glass

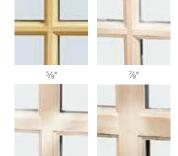


A %" aluminum slat blind mounted between two panes of insulated glass in a dust-free environment. Available in white, tan and almond. Blinds are magnetically controlled and can be tilted or raised and lowered with one co

### **GRILLES**

### Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in \(^{1}\%\_{0}\), \(^{1



1 1/8"

### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in ½1, ½4, 1½1, or 2½4 widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



### Finelight™ Grilles-Between-the-Glass

Available in 5%" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.





5/8" Flat

1" Contoured

### Removable Interior Wood Grilles

Removable interior wood grilles are available in a 1/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

<sup>\*</sup>When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

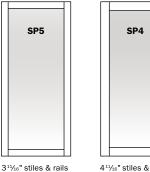
<sup>\*\*</sup>Not all sizes are retractable. See your local Andersen supplier for details.

### **Hinged Patio Door** Panel Labeling

### **Door Panel Options**

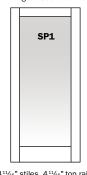
Andersen® E-Series offers a wide range of door styles to accommodate any home project style. Both contemporary and French panel styles are available to complement traditional or modern architecture.

### Hinged Patio Door Contemporary Panels



411/16" stiles & rails

Hinged Patio Door French Panels

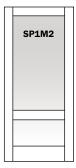


411/16" stiles, 411/16" top rail & 8" bottom rail

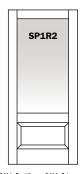


411/16" stiles, 411/16" top rail & 12" bottom rail

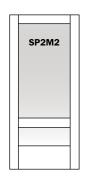
### Panels with 55/16" Intermediate Rail 231/4" from Bottom of Panel



411/16" stiles, 411/16" top rail & 8" bottom rail

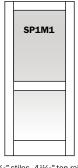


8" bottom rail & raised panel insert

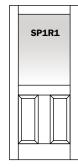


411/16" stiles, 411/16" top rail & 12" bottom rail

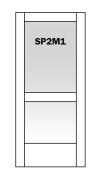
### Panels with 51/16" Intermediate Rail 35" from Bottom of Panel



411/16" stiles, 411/16" top rail & 8" bottom rail



411/16" stiles, 411/16" top rail, 8" bottom rail & raised panel insert

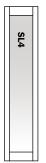


411/16" stiles, 411/16" top rail & 12" bottom rail



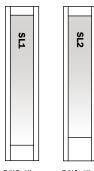
### **Sidelight Panels**





411/16" top rail & bottom rail

French Panels

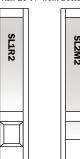


411/16" top rail 411/16" top rail 8" bottom rail 12" bottom rail

### $5^{5}/_{16}$ " Intermediate Rail $23^{1}/_{4}$ " from Bottom of Panel



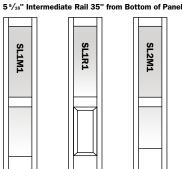
 $2\frac{3}{4}$ " stiles  $4\frac{11}{16}$ " top rail 8" bottom rail



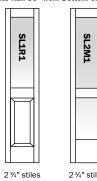
411/16" top rail 8" bottom rail & raised panel insert



411/16" top rail 12" bottom rail



411/16" top rail 8" bottom rail



2 ¾" stiles 4 ½ top rail 12" bottom rail 411/16" top rail 8" bottom rail & raised panel insert

### **Transom Panels**



2¾" stiles & rails



2 3/4" stiles & 4 11/16" rails



411/16" stiles & 23/4" rails

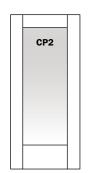


311/16" stiles & rails

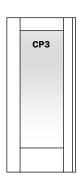


411/16" stiles & rails

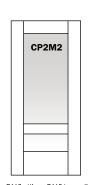
### Commercial Door, Sidelight & Transom Panels\*



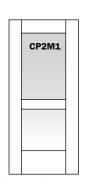
61/2" stiles, 61/2" top rail & 12" bottom rail



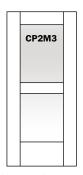
6½" stiles, 6½" top rail & 12" bottom rail Concealed Panic System



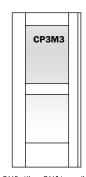
61/2" stiles, 61/2" top rail & 12" bottom rail with 5 1/16" intermediate rail  $23\,{}^1\!\!/_{\!\!4}"$  from bottom of panel



61/2" stiles, 61/2" top rail & 12" bottom rail with 5 1/16" intermediate rail 35" from bottom of panel



 $6\,\%$  " stiles,  $6\,\%$  " top rail & 12" bottom rail with 5 1/16" intermediate rail 39" from bottom of panel



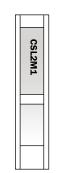
61/2" stiles, 61/2" top rail & 12" bottom rail with 5 1/16" intermediate rail 39" from bottom of panel Concealed Panic System



6½" top rail & 12" bottom rail



2 1/4" stiles, 6 1/2" top rail & 12" bottom rail with 5 1/16" intermediate rail 231/4" from bottom of panel



2 ¾" stiles, 6 ½" top rail & 12" bottom rail with 5 1/16" intermediate rail 35" from bottom of panel

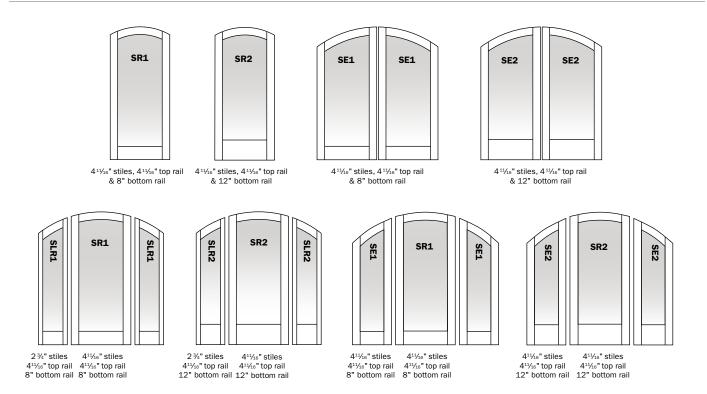


61/2" stiles & rails

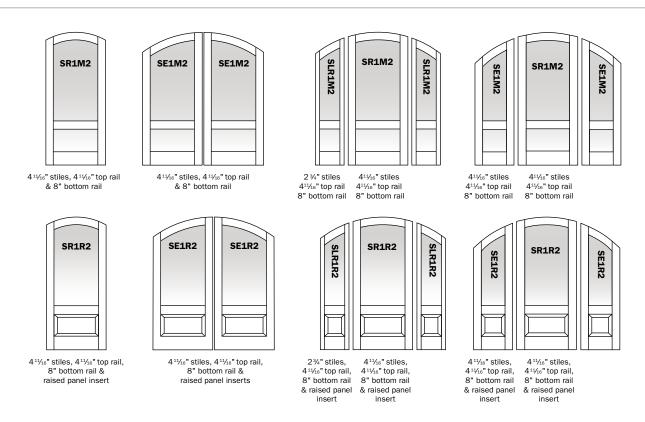


23/4" stiles & 61/4" rails

### **Arch Panels**

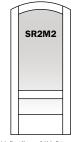


### Arch Panels with 5 5/16" Intermediate Rail 23 1/4" from Bottom of Panel

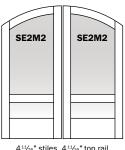




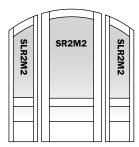
### Arch Panels with 55/16" Intermediate Rail 231/4" from Bottom of Panel (Continued)



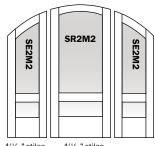
4<sup>11</sup>/<sub>16</sub>" stiles, 4<sup>11</sup>/<sub>16</sub>" top rail & 12" bottom rail



4<sup>11</sup>/<sub>16</sub>" stiles, 4<sup>11</sup>/<sub>16</sub>" top rail & 12" bottom rail

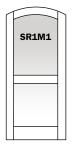


 $2\,\%$ " stiles  $4^{11}\!\!/_{16}$ " stiles  $4^{11}\!\!/_{16}$ " top rail 12" bottom rail 12" bottom rail

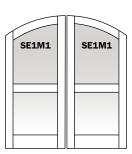


411/16" stiles 411/16" stiles 411/16" top rail 411/16" top rail 12" bottom rail 12" bottom rail

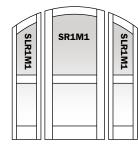
### Arch Panels with 5 5/16" Intermediate Rail 35" from Bottom of Panel



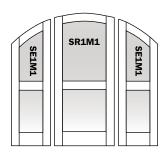
4<sup>11</sup>/<sub>16</sub>" stiles, 4<sup>11</sup>/<sub>16</sub>" top rail & 8" bottom rail



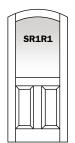
4<sup>11</sup>/<sub>16</sub>" stiles, 4<sup>11</sup>/<sub>16</sub>" top rail & 8" bottom rail



 $2\sqrt[3]{4}$ " stiles  $4^{11}\!\!/_{16}$ " stiles  $4^{11}\!\!/_{16}$ " top rail  $4^{11}\!\!/_{16}$ " top rail 8" bottom rail



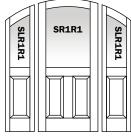
 $4^{11}/_{16}$ " stiles  $4^{11}/_{16}$ " stiles  $4^{11}/_{16}$ " top rail  $4^{11}/_{16}$ " top rail 8" bottom rail



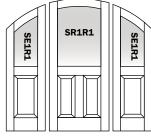
411/16" stiles, 411/16" top rail, 8" bottom rail & raised panel insert



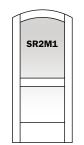
411/16" stiles, 411/16" top rail, 8" bottom rail & raised panel inserts



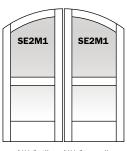
2 ¾" stiles, 4 ¼s" stiles, 4 ¼s" top rail, 8" bottom rail 8" bottom rail & raised panel & raised panel insert



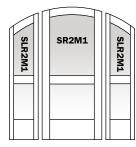
41½s" stiles, 41½s" stiles, 41½s" top rail, 41½s" top rail, 8" bottom rail 8" bottom rail & raised panel insert



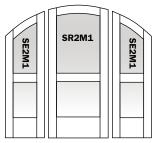
4 11/16" stiles, 4 11/16" top rail & 12" bottom rail



4<sup>11</sup>/<sub>16</sub>" stiles, 4<sup>11</sup>/<sub>16</sub>" top rail & 12" bottom rail



 $2 \frac{3}{4}$ " stiles  $4^{11}/_{16}$ " stiles  $4^{11}/_{16}$ " top rail  $4^{11}/_{16}$ " top rail 12" bottom rail 12" bottom rail



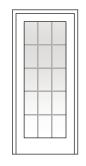
411/16" stiles 411/16" stiles 411/16" top rail 411/16" top rail 12" bottom rail 12" bottom rail

### **Hinged Patio Door Handing**

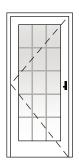
The door handing and order designation noted below and on the opposite page is consistent with the handing of other Andersen\* doors and is used throughout the remainder of the hinged patio doors section.

### Identification All hinged doors are viewed from the exterior. From left to right, choose stationary, active or passive, then choose hinge

location.



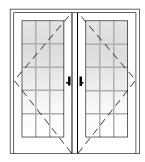
**Stationary Panel**Non-operating panel.



**Left Hinged**Hinges mounted on the left side of the panel.



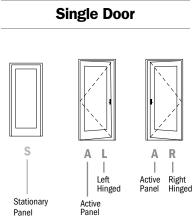
**Right Hinged**Hinges mounted
on the right side of
the panel.

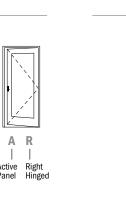


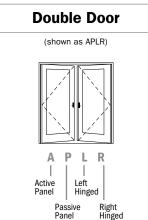
Active Panel Passive Panel
The operating panel The operating panel with astragal attached.

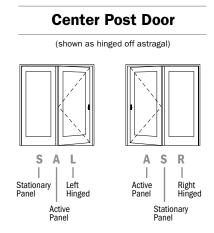
### **Hinged Patio Doors — Inswing**

### **Handing Options**









Order Designation Description					
	As Viewed From Exterior				
	S				
Single Door	AL				
	AR				
	PALR				
Double Door	APLR				
	SS				
Contag Doot Doog Hingard Off James	SAR				
Center Post Door – Hinged Off Jamb	ASL				
Contag Doot Door Hingard Off Actuage	SAL				
Center Post Door – Hinged Off Astragal	ASR				

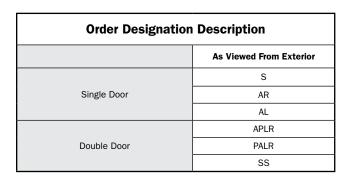


### **Hinged Patio Doors** — **Outswing**

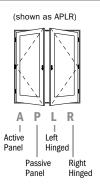
### **Handing Options**

Panel

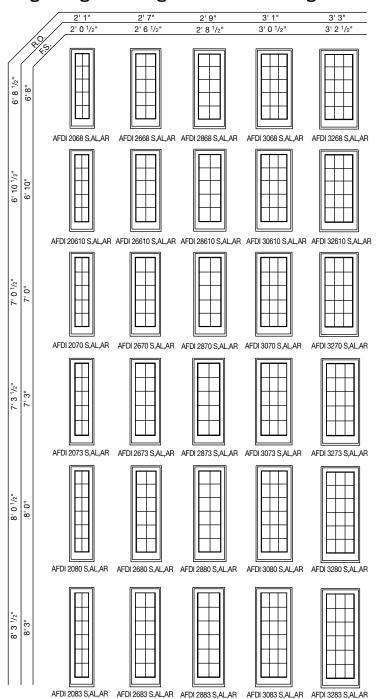
### **Single Door** Α Active Right Panel Hinged Left Hinged Active Panel Stationary



### **Double Door**



### Single Hinged Inswing Patio Door & Sidelight Sizes



### NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grille-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### Inswing Frame Height (using Low Threshold Sill)

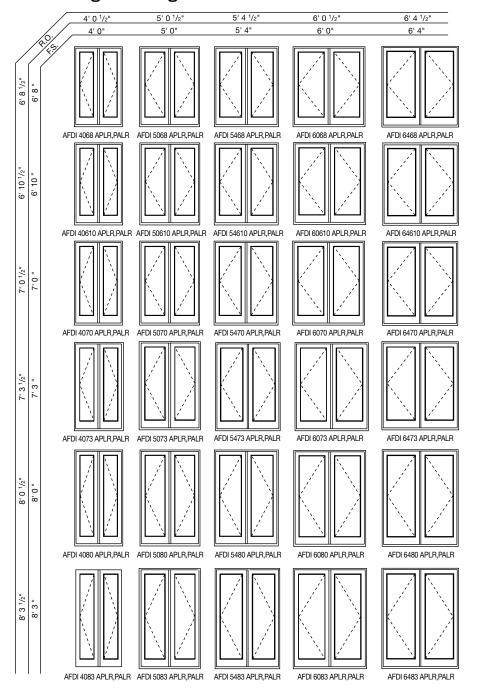
= Standard Inswing Frame Height – 15/16"

### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus  $1/4\mbox{"}$  on all sides.

### **Double Hinged Inswing Patio Door Sizes**



### NOTES

All doors and sidelights use safety/ tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"

### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

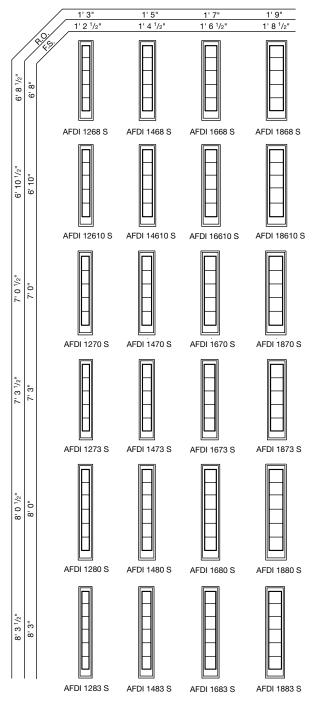
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for directset units and transoms.

### ALSO AVAILABLE AS:

Stationary Doors SS Center Post Doors SAR, ASL, SAL, ASR

### **Inswing Sash-Set Sidelight Sizes**



### NOTES

All doors and sidelights use safety/tempered glass.

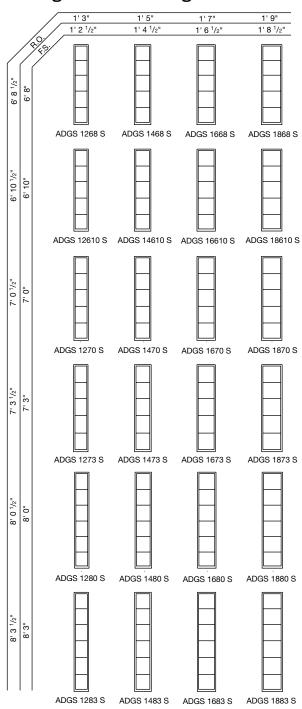
The minimum vertical joining material width for doors and sidelights is 1/2". When joining a venting sidelight to a door, the minimum vertical joining material width is 2".

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### **Inswing Direct-Set Sidelight Sizes**



### Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"

### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

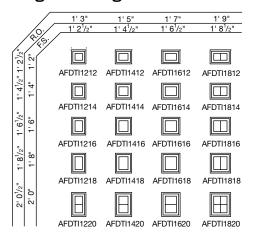
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.



### **Hinged Inswing Patio Door Sash-Set Transom Sizes**

\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2' 1" 2' 0 <sup>1</sup> /2"	2' 7" 2' 6 <sup>1</sup> /2"	2' 9" 2' 8 <sup>1</sup> /2"	3' 1" 3' 0 <sup>1</sup> /2"	3' 3" 3' 2 <sup>1</sup> /2"	4' 0 <sup>1</sup> /2" 4' 0"	5' 0 <sup>1</sup> /2" 5' 0"	5' 4 <sup>1</sup> /2" 5' 4"	6' 0 <sup>1</sup> /2" 6' 0"	6' 4 <sup>1</sup> /2" 6' 4"
1.2   1.2   2   2   2		AFDTI2612	AFDTI2812	AFDTI3012	AFDTI3212	AFDTI4012	AFDTI5012	AFDTI5412	AFDTI6012	AFDTI6412
	AFDTI2014	AFDTI2614	AFDTI2814	AFDTI3014	AFDTI3214	AFDTI4014	AFDTI5014	AFDTI5414	AFDTI6014	AFDTI6414
1' 6'/2"	AFDTI2016	AFDTI2616	AFDTI2816	AFDTI3016	AFDTI3216	AFDTI4016	AFDTI5016	AFDTI5416	AFDTI6016	AFDTI6416
1'8'/2"	AFDTI2018	AFDTI2618		AFDTI3018	AFDTI3218	AFDTI4018	AFDTI5018	AFDTI5418	AFDTI6018	AFDTI6418
2'0'/2"	AFDTI2020	AFDTI2620	AFDTI2820	AFDTI3020	AFDTI3220	AFDTI4020	AFDTI5020	AFDTI5420	AFDTI6020	AFDTI6420
2' 4'/2"	AFDT[2024	AFDTI2624	AFDTI2824	AFDTI3024	AFDTI3224	AFDTI4024	AFDTI5024	AFDTIFACA	AFDTI6024	AFDTI6424
2'6 <sup>1</sup> / <sub>2</sub> " 2'6"	AFD112024	APDII2024	AFD112624	AFDTI3024	AFD113224	AFDT14024	AFDII3024	AFDTI5424	AFD110024	AFD110424
2'8 <sup>1</sup> / <sub>2</sub> "	AFDTI2026	AFDTI2626	AFDTI2826	AFDTI3026	AFDTI3226	AFDTI4026	AFDTI5026	AFDTI5426	AFDTI6026	AFDTI6426
3' 0'/2"	AFDTI2028  AFDTI2030		AFDTI2828  AFDTI2830	AFDTI3028  AFDTI3030	AFDTI3228  AFDTI3230	AFDTI4028  AFDTI4030	AFDTI5028  AFDTI5030	AFDTI5428  AFDTI5430	AFDTI6028  AFDTI6030	AFDTI6428  AFDTI6430

### **Hinged Inswing Patio Door Sash-Set Transom Sizes**

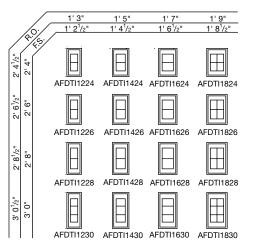


### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.



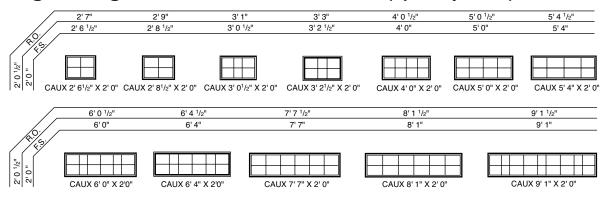
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### FORMULA FOR COMBINATION DOORS

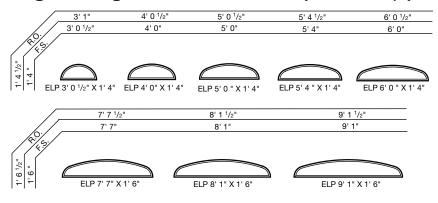
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

### Hinged Inswing Patio Door Direct-Set Transom Sizes (Specialty Frame)



### Hinged Inswing Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

 $2'\,6\text{-}1/2"$  wide transoms are used above 2668, 26610 or 2680 Hinged Inswing Patio Doors.

2'8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Inswing Patio Doors.

3'0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Inswing Patio Doors.

4'0" wide transoms are used above 4068, 40610 or 4080 Hinged Inswing Patio Doors.

5'0" wide transoms are used above 5068, 50610 or 5080 Hinged Inswing Patio Doors.

5'4" wide transoms are used above 5468, 54610 or 5480 Hinged Inswing Patio Doors. 6'0" wide transoms are used above 6068, 60610 or 6080 Hinged Inswing Patio Doors.

7'7" wide transoms are used above 5068/50610/5080 Hinged Inswing Patio Doors with 2668/26610/2680 Sidelights. 8'1" wide transoms are used above 5468/54610/5480 Hinged Inswing Patio Doors with 2868/28610/2880 Sidelights.

9'1" wide transoms are used above 6068/60610/6080 Hinged Inswing Patio Doors with 3068/30610/3080 Sidelights.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

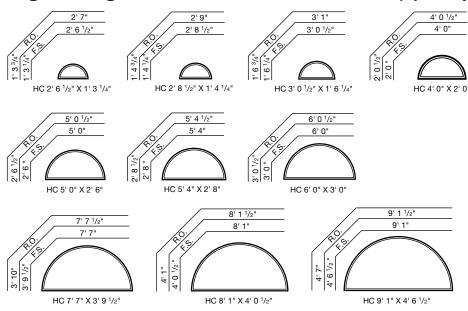
### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

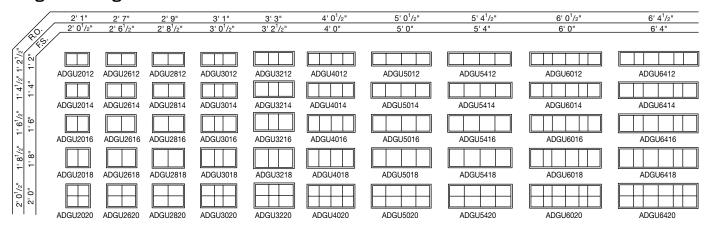
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.



### Hinged Inswing Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



### **Hinged Inswing Patio Door Direct-Set Transom Sizes**



### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

- $2'\,6\text{-}1/2"$  wide transoms are used above 2668, 26610 or 2680 Hinged Inswing Patio Doors.
- 2'8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Inswing Patio Doors.
- 3'0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Inswing Patio Doors.
- 4'0" wide transoms are used above 4068, 40610 or 4080 Hinged Inswing Patio Doors.
- 5'0" wide transoms are used above 5068, 50610 or 5080 Hinged Inswing Patio Doors.
- 5'4" wide transoms are used above 5468, 54610 or 5480 Hinged Inswing Patio Doors.
- 6'0" wide transoms are used above 6068, 60610 or 6080 Hinged Inswing Patio Doors.
- 7'7" wide transoms are used above 5068/50610/5080 Hinged Inswing Patio Doors with 2668/26610/2680 Sidelights.
- 8'1" wide transoms are used above 5468/54610/5480 Hinged Inswing Patio Doors with 2868/28610/2880 Sidelights.
- 9'1" wide transoms are used above 6068/60610/6080 Hinged Inswing Patio Doors with 3068/30610/3080 Sidelights.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

### **Hinged Inswing Patio Door Direct-Set Transom Sizes**

,	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"	4' 0 <sup>1</sup> /2"	5' 0 <sup>1</sup> / <sub>2</sub> "	5' 4 <sup>1</sup> / <sub>2</sub> "	6' 0 <sup>1</sup> / <sub>2</sub> "	6' 4 <sup>1</sup> /2"
(A)	2' 01/2"	2' 6 <sup>1</sup> /2"	2' 8 <sup>1</sup> /2"	3' 01/2"	3' 21/2"	4' 0"	5' 0"	5' 4"	6' 0"	6' 4"
/ <										
[ <sup>4</sup> ] <sup>4</sup>										
2 2										
	ADGU2024	ADGU2624	ADGU2824	ADGU3024	ADGU3224	ADGU4024	ADGU5024	ADGU5424	ADGU6024	ADGU6424
6" 6"										
2'61/2"										
	ADGU2026	ADGU2626	ADGU2826	ADGU3026	ADGU3226	ADGU4026	ADGU5026	ADGU5426	ADGU6026	ADGU6426
2'81/2"										
	ADGU2028	ADGU2628	ADGU2828	ADGU3028	ADGU3228	ADGU4028	ADGU5028	ADGU5428	ADGU6028	ADGU26428
3'0'/2"										
	ADGU2030	ADGU2630	ADGU2830	ADGU3030	ADGU3230	ADGU4030	ADGU5030	ADGU5430	ADGU6030	ADGU6430

### Hinged Inswing Patio Door Direct-Set Transom Sizes

		_				
	,	Ι.	1' 3" 1' 2 <sup>1</sup> /2"	1' 5" 1' 4 <sup>1</sup> /2"	1' 7" 1' 6 <sup>1</sup> /2"	1' 9" 1' 8 <sup>1</sup> /2"
	\&\ 	s:/	1' 2 <sup>1</sup> /2"	1' 4 <sup>1</sup> /2"	1' 6 <sup>1</sup> /2"	1' 8 <sup>1</sup> /2"
/	/ Ý	)   				
21/2	[5/	<b>/</b>				
1	-		ADGU1212	ADGU1412	ADGU1612	ADGU1812
1' 41/2	1.4"					
l_			ADGU1214	ADGU1414	ADGU1614	ADGU1814
1'61/2	1-6					
			ADGU1216	ADGU1416	ADGU1616	ADGU1816
1'81/2" 1'61/2" 1'41/2" 1'21/2"	1.8					
			ADGU1218	ADGU1418	ADGU1618	ADGU1818
2' 01/2"	2'0"		ADGU1220	ADGU1420	ADGU1620	ADGU1820
2' 41/2"	2' 4"		Ä			
			ADGU1224	ADGU1424	ADGU1624	ADGU1824
2' 61/2"	2'6"					
			ADGU1226	ADGU1426	ADGU1626	ADGU1826
2' 81/2"	2, 8,					
			ADGU1228	ADGU1428	ADGU1628	ADGU1828
3' 01/2"	3,0"					
1	1		ADGI 11230	VDCI H 430	ADCI 11630	VDCI I1830

### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

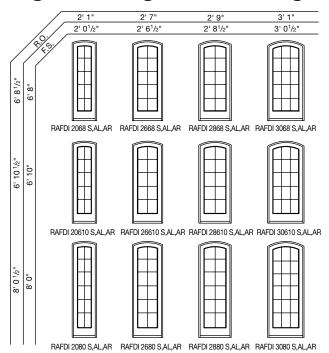
### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.



### Single Arch Inswing Patio Door & Sidelight Sizes



### NOTES

All doors and sidelights use safety/tempered glass.

Single doors have a 3'0" radius.

Double doors have a 5'0" radius.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### **Inswing Frame Height**

(using Low Threshold Sill)

= Standard Inswing Frame Height - 15/16'

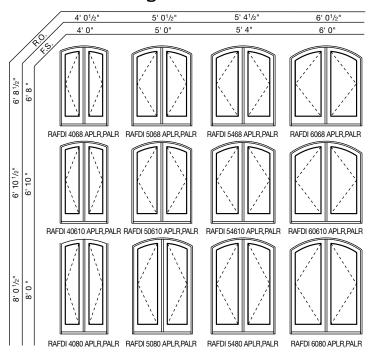
### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

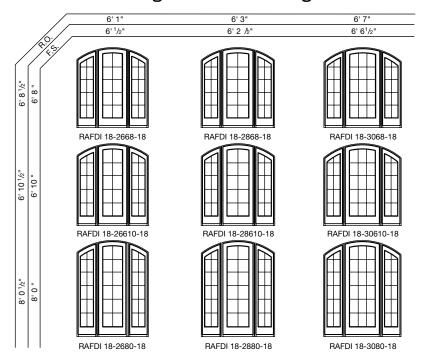
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

### **Double Arch Inswing Patio Door Sizes**



### 3-Wide Arch Inswing Patio Door & Sidelight Sizes



### OTES

All doors and sidelights use safety/tempered glass.

3-wide doors have a 5'0" radius.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### Inswing Frame Height Formula (using Low Threshold Sill)

= Standard Inswing Frame Height - 15/16"

### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

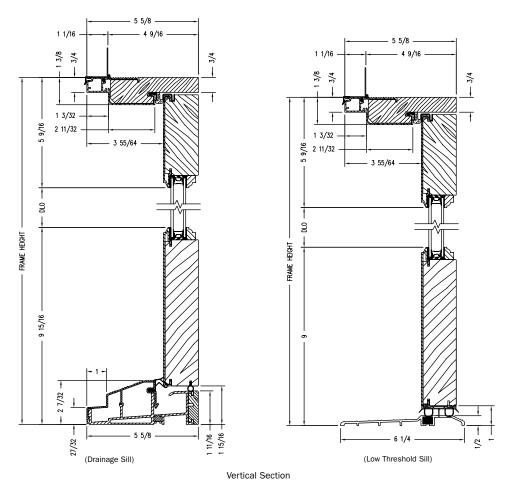
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

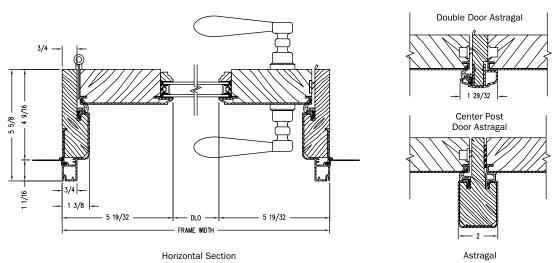
Any unit within each combination can be operating or stationary except for arch sidelights.



### Hinged Inswing Patio Doors (4 %16" Jamb Depth)

### **Hinged Inswing Patio Door**

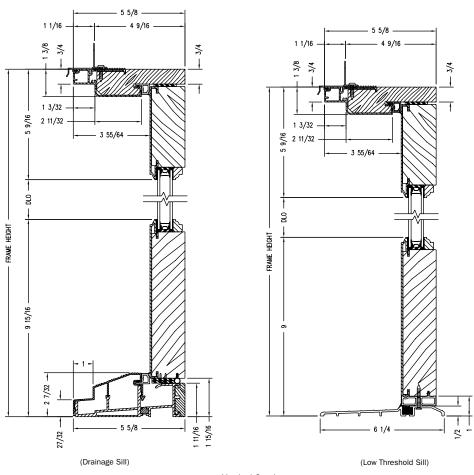




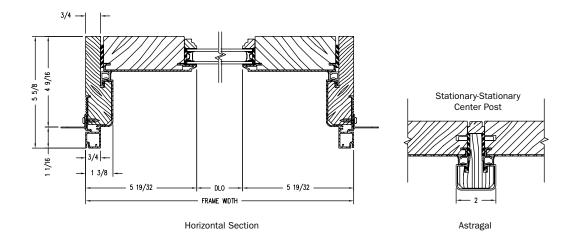
Shown with ovolo (colonial) glass stops. French panel shown, also available with a contemporary panel.

### Hinged Inswing Patio Doors (4% Jamb Depth)

### **Inswing Sash-Set Sidelight**



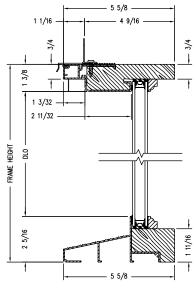
Vertical Section



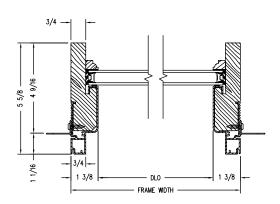


### Hinged Inswing Patio Doors (4 %16" Jamb Depth)

### **Inswing Direct-Set Sidelight**

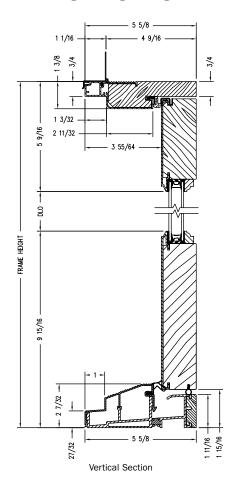


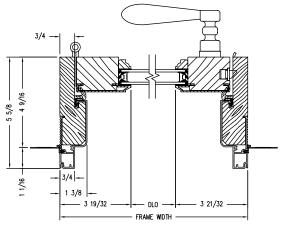
Vertical Section



Horizontal Section

### **Inswing Venting Sidelight**





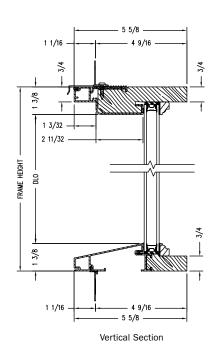
**Horizontal Section** 

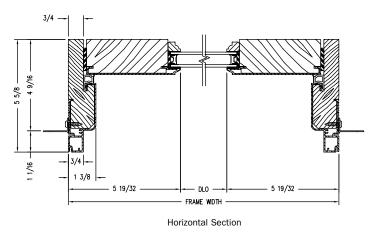
### Hinged Inswing Patio Doors (4% Jamb Depth)

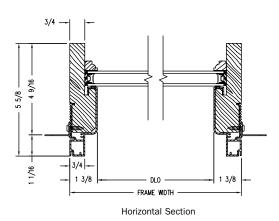
### **Inswing Sash-Set Transom**

### 

### **Inswing Direct-Set Transom**

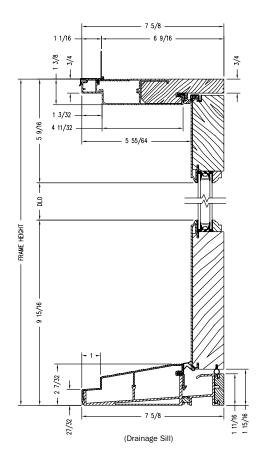


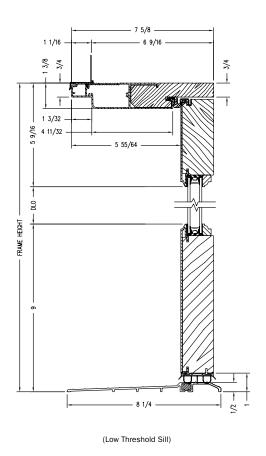




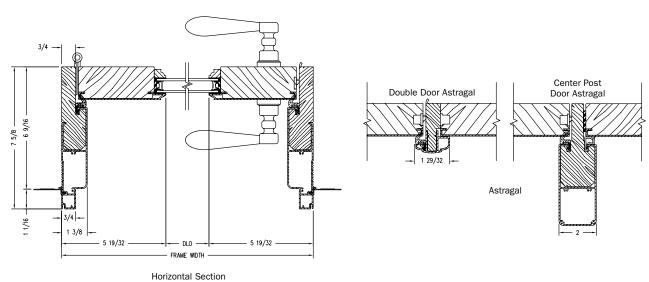


### Hinged Inswing Patio Doors (6% Jamb Depth)





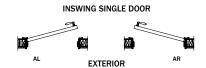
Vertical Section

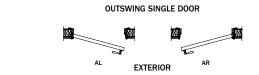


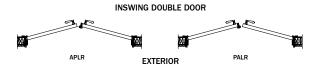
 $\label{eq:shown} Shown with ovolo (colonial) glass stops.$  French panel shown, also available with a contemporary panel. Visit our website to see transoms and sidelight units with 6-9/16" jamb depth.

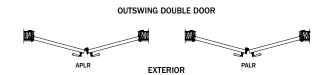
### Hinged Inswing Patio Door Handing (As Viewed From Exterior)

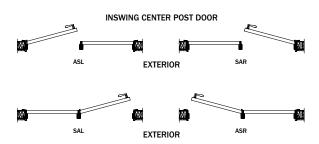
### Hinged Outswing Patio Door Handing (As Viewed From Exterior)





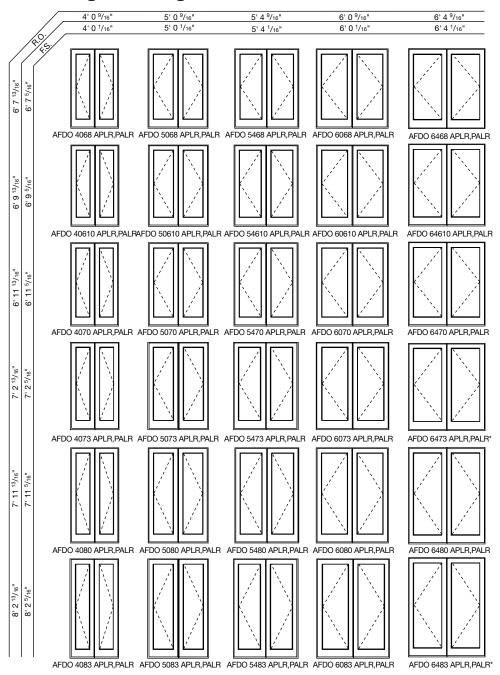








### **Double Hinged Outswing Patio Door Sizes**



### NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

\*Commercial sized door panels.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### Outswing Frame Height Formula (using Low Threshold Sill)

= Standard Outswing Frame Height - 7/16"

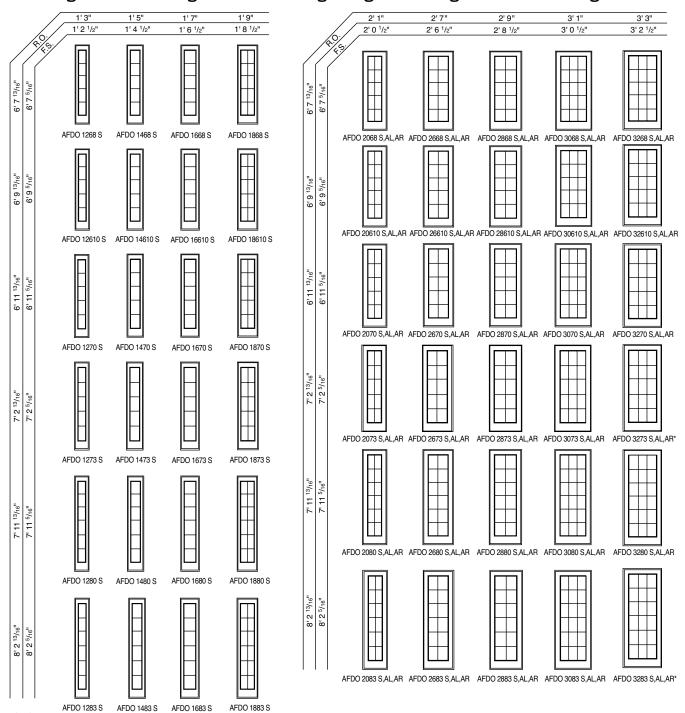
### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

### **Outswing Sash-Set Sidelight Sizes**

### **Single Hinged Outswing Patio Door & Sidelight Sizes**



NOTES
All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2". When joining a venting sidelight to a door, the minimum vertical joining material width is 2".

\*Commercial sized door panels.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### Outswing Frame Height Formula (using Low Threshold Sill)

= Standard Outswing Frame Height – 7/16"

### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

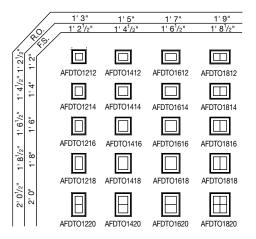
FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.



### **Hinged Outswing Patio Door Sash-Set Transom Sizes**

\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2' 1"	2' 7" 2' 6 <sup>1</sup> /2"	2' 9" 2' 8 <sup>1</sup> /2"	3' 1" 3' 0 <sup>1</sup> / <sub>2</sub> "	3' 3" 3' 2 <sup>1</sup> /2"	4' 0 <sup>9</sup> / <sub>16</sub> " 4' 0 <sup>1</sup> / <sub>16</sub> "	5' 0 <sup>9</sup> / <sub>16</sub> " 5' 0 <sup>1</sup> / <sub>16</sub> "	5' 4 <sup>9</sup> / <sub>16</sub> " 5' 4 <sup>1</sup> / <sub>16</sub> "	6' 0 <sup>9</sup> / <sub>16</sub> " 6' 0 <sup>1</sup> / <sub>16</sub> "	6' 4 <sup>9</sup> / <sub>16"</sub> 6' 4 <sup>1</sup> / <sub>16"</sub>
1.2"	AFDTO2012	AFDTO2612	AFDTO2812	AFDTO3012	AFDTO3212	AFDTÖ4012	AFDŤO5012	AFDTO5412	AFDŤO6012	AFDTO6412
	AFDTO2014	AFDTO2614	AFDTO2814	AFDTO3014	AFDTO3214	AFDTO4014	AFDTO5014	AFDTO5414	AFDTO6014	AFDTO6414
1.61/2"	AFDTO2016	AFDTO2616	AFDTO2816	AFDTO3016	AFDTO3216	AFDTO4016	AFDTO5016	AFDTO5416	AFDTO6016	AFDTO6416
1'8'/2"	AFDTO2018	AFDTO2618	AFDTO2818	AFDTO3018	AFDTO3218	AFDTO4018	AFDTO5018	AFDTO5418	AFDTO6018	AFDTO6418
2'0 <sup>1</sup> / <sub>2</sub> "	AFDTO2020	AFDTO2620	AFDTO2820	AFDTO3020	AFDTO3220	AFDTO4018  AFDTO4020	AFDTO5020	AFDTO5418	AFDTO6020	AFDTO6418  AFDTO6420
2'4'/2"	AFDTO2024	AFDTO2624	AFDTO2824	AFDTO3024	AFDTO3224	AFDTO4024	AFDTO5024	AFDTO5424	AFDTO6024	AFDTO6424
2'6'/2"	AFD102024	AFDIO2624	AFD102824	AFD103024	AFD103224	AFD104024				
2'8'/2"	AFDTO2026	AFDTO2626	AFDTO2826	AFDTO3026	AFDTO3226	AFDTO4026	AFDTO5026	AFDTO5426	AFDTO6026	AFDTO6426
3' 0"	AFDTO2028  AFDTO2030	AFDTO2628  AFDTO2630	AFDTO2828  AFDTO2830	AFDTO3028  AFDTO3030	AFDTO3228  AFDTO3230	AFDTO4028  AFDTO4030	AFDTO5028  AFDTO5030	AFDTO5428  AFDTO5430	AFDTO6028  AFDTO6030	AFDTO6428  AFDTO6430

### Hinged Outswing Patio Door Sash-Set Transom Sizes



### NOTES

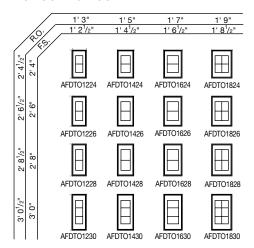
If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight" Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### Hinged Outswing Patio Door Sash-Set Transom Sizes



### FORMULA FOR COMBINATION DOORS

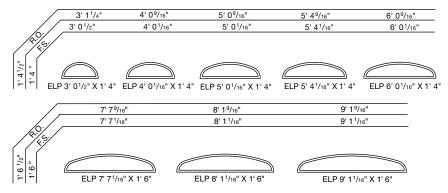
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

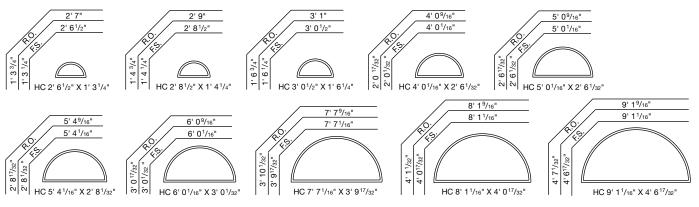
### **Hinged Outswing Patio Door Direct-Set Transom Sizes (Specialty Frame)**

	2' 7"	2' 9"	3' 1"	3'3" 4	4' 0 <sup>9</sup> /16"	5' 0 <sup>9</sup> /16"	5' 4 <sup>9</sup> / <sub>16</sub> "
	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 <sup>1</sup> /2" 4	1' 0 <sup>1</sup> /16"	5' 0 <sup>1</sup> / <sub>16</sub> "	5' 4 <sup>1</sup> / <sub>16</sub> "
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\							
2.0 1/2" 2.0 "							
~ CAI	UX 2' 6 <sup>1</sup> /2" X 2' 0" (	CAUX 2' 8 <sup>1</sup> / <sub>2</sub> " X 2' 0" CAUX	3' 1/2" X 2' 0" CAUX	3' 2 <sup>1</sup> / <sub>2</sub> " X 2' 0" CAUX 4	1' 1/16" X 2' 0" CA	UX 5' 1/16" X 2' 0"	CAUX 5' 4 <sup>1</sup> / <sub>16</sub> " X 2' 0"
	0,12 0,12 1,12 0 1		o / L X L o o o o o x	0 2 /2 /12 0 0/10/1	. 7.5 7.2 5 67.	.07.0 7.0 7.2 0	0,10,10 1,10 1,12 0
	6' 0 <sup>9</sup> / <sub>16</sub> "	6' 4 <sup>9</sup> / <sub>16</sub> "	7' 7	9/16"	8' 1 <sup>9</sup> / <sub>16</sub> "		9' 1 9/16"
	6' 0 <sup>1</sup> /16"	6' 4 <sup>1</sup> /16"	7' 7	1/16"	8' 1 <sup>1</sup> / <sub>16</sub> "		9' 1 1/16"
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\							
2' 0 1/2"							
12/10/	CAUX 6' 1/16" X 2'	0" CAUX 6' 4 <sup>1</sup> / <sub>16</sub> " X 2	'0" CAUX 7' 7 <sup>1</sup>		CAUX 8' 11/16" X 2'		AUX 9' 1 <sup>1</sup> / <sub>16</sub> " X 2' 0"

### Hinged Outswing Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



### Hinged Outswing Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



### NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

2'6-1/2" wide transoms are used above 2668, 26610 or 2680 Hinged Outswing Patio Doors.

2'8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Outswing Patio Doors.

3'0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Outswing Patio Doors.

4'0" wide transoms are used above 4068, 40610 or 4080 Hinged Outswing Patio Doors.

5'0" wide transoms are used above 5068, 50610 or 5080 Hinged Outswing Patio Doors.

5'4" wide transoms are used above 5468, 54610 or 5480 Hinged Outswing Patio Doors.

6'0" wide transoms are used above 6068, 60610 or 6080 Hinged Outswing Patio Doors.

7'7" wide transoms are used above 5068/50610/5080 Hinged Outswing Patio Doors with 2668/26610/2680 Sidelights.

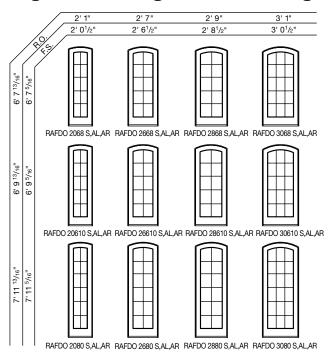
8'1" wide transoms are used above 5066/50610/5060 filinged Outswing Patio Doors with 2868/28610/2880 Sidelights.

9'1" wide transoms are used above 6068/60610/6080 Hinged Outswing Patio Doors with 3068/30610/3080 Sidelights.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.



### Single Arch Outswing Patio Door & Sidelight Sizes



### **Double Arch Outswing Patio Door Sizes**

		4' 0 9/16"	5' 0 <sup>9</sup> /16"	5' 4 <sup>9</sup> /16"	6' 0 <sup>9</sup> /16"
		4' 0 1/16"	5' 0 <sup>1</sup> /16"	5' 4 <sup>1</sup> / <sub>16</sub> "	6' 0 <sup>1</sup> / <sub>16</sub> "
6' 7 13/16"	6'75/16"	RAFDO 4068 APLR,PALR	RAFDO 5068 APLR.PALR	RAFDO 5468 APLR,PALR	RAFDO 6068 APLR,PALR
6' 9 13/16"	6'95/16"	RAFDO 40610APLR,PALR	RAFDO 50610APLR,PALF	R RAFDO 54610APLR,PALI	R RAFDO 60610APLR,PALR
7' 11 13/16"	7'115/16"	RAFDO 4080APLR,PALR	RAFDO 5080APLR,PALR	RAFDO 5480APLR.PALR	RAFDO 6080APLR.PALR

### NOTES

All doors and sidelights use safety/tempered glass.

Single doors have a 3'0" radius.

Double doors have a 5'0" radius.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### Outswing Frame Height Formula (using Low Threshold Sill)

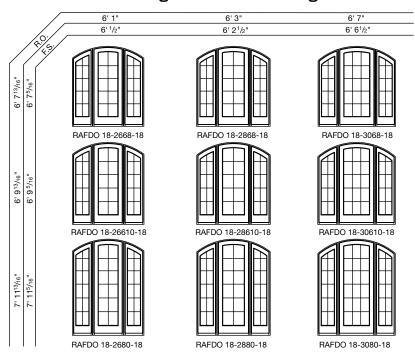
= Standard Outswing Frame Height - 7/16"

### FORMULA FOR COMBINATION DOORS

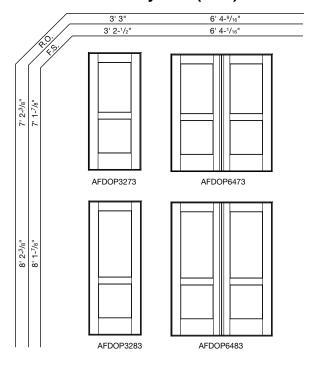
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

### 3-Wide Arch Outswing Patio Door & Sidelight Sizes



### **Concealed Panic System (CPS) Door Sizes**



### IOTES

All doors and sidelights use safety/tempered glass.

3-wide doors have a 5'0" radius.

CPS doors shown with optional mid-rail.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight<sup>™</sup> Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

### Outswing Frame Height Formula\* (using Low Threshold Sill)

= Standard Outswing Frame Height – 7/16" \*Does not apply to Concealed Panic System (CPS) doors

### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

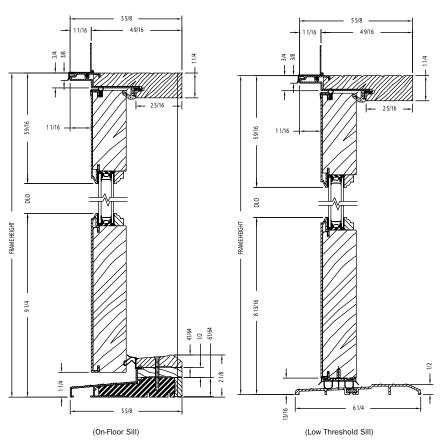
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for arch sidelights.



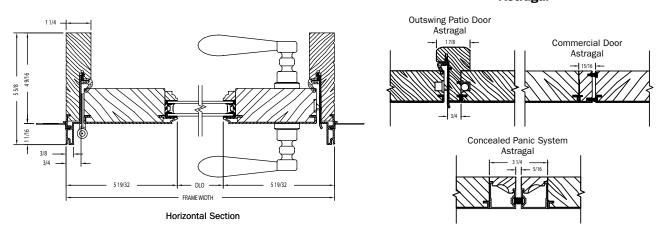
### **Hinged Outswing Patio Doors**

### **Hinged Outswing Patio Door**



Vertical Section

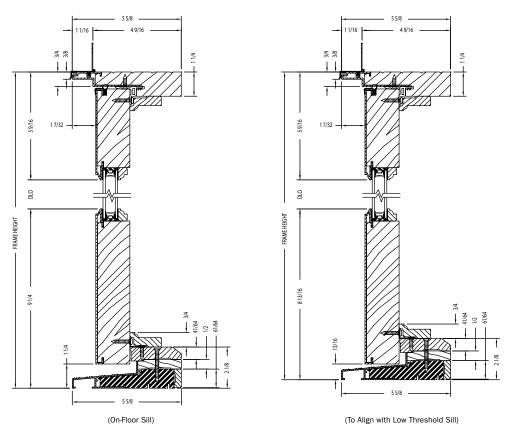
### **Astragal**



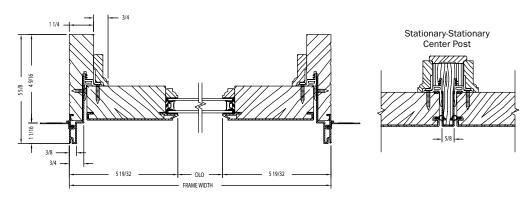
Shown with ovolo (colonial) glass stops. French panel shown, also available with a contemporary panel.

### **Hinged Outswing Patio Doors**

### **Outswing Sash-Set Sidelight**



Vertical Section



Horizontal Section

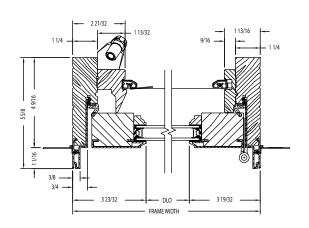


### **Hinged Outswing Patio Doors**

### **Outswing Venting Sidelight**

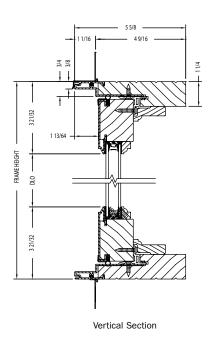
# PAMER HGMT PROME HGMT

Vertical Section



Horizontal Section

### **Outswing Sash-Set Transom**



11/4 3/4 3/4 519/32 FRAME WIDTH

Horizontal Section

### **GLIDING PATIO DOORS**

Choose from our French panels with 8" or 12" bottom rail options, or one of two narrower panel profiles for a more contemporary look, to create an open view to the outside. E-Series gliding patio doors feature multi-point locking hardware for a firm, secure seal and tandem ball bearing rollers for smooth operation.

Gliding Patio Door Overview
Panel Labeling & Handing146
Gliding Sizing
Stationary & Two-Panel Doors
Four-Panel Doors
Specialty Transom
Gliding Door Details
French Gliding Sizing
Stationary & Two-Panel Doors
Four-Panel Doors
Specialty Transom
French Gliding Door Details
Installation Materials
Product Performance 158







#### **FEATURES**

#### **GLIDING PATIO DOORS**

#### **FRAME & PANEL**

⚠ Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factoryaplied finishes are available in a variety of stains and paints.

(3) Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

The frame consists of foam-filled leaf weatherstrip on the exterior creating a weather-resistant pocket for the door panel. A dual weatherstrip seal on the interlock is fitted between the fixed and operating meeting stiles.



French Gliding Patio Door

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges and metal installation clips are available. Standard jamb depth is 4% or gliding patio doors.

#### SILL

**©** A durable fiberglass sill is an excellent thermal barrier. Stainless steel roller caps provide smooth operation of the door panel. Available in dark bronze or gray.



#### Gliding Patio Door

#### GLASS

• High-Performance Low-E4® glass with a low-conductivity spacer. Triplepane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

GLASS SPACERS available in black, white and stainless steel.

(a) Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

#### **HARDWARE**

#### Steel Rollers

Operating panel
consists of two tandem
ball bearing steel roller
assemblies. Stainless steel
roller assemblies are available
as an option.

#### Multi-Point Locking System

The multi-point locking system features a unique reachout design that pulls the door panel tightly closed for a weather-tight seal and enhanced security.



## **ACCESSORIES** Sold Separately

### HARDWARE

### **Auxiliary Foot Lock**

An enhanced foot lock is discreetly positioned on the side of the panel. Foot lock provides an extra measure of security when door is in locked position. Available in finish options to complement handle sets.



#### Optional Hardware

Additional hardware options such as exterior keyed locks and more are also available.

### VeriLock Sensors DISCONTINUED

VeriLock® sensors and open/closed sensors are available for gliding patio doors. See page 27 for Smart Home options.

### INSECT SCREENS

#### **Top-Hung Gliding Insect Screens**

Charcoal fiberglass screen mesh fits into an aluminum frame available in 50 exterior colors. Aluminum screen mesh is also available.

#### Retractable Insect Screens

The retractable insect screen has charcoal fiberglass screen mesh. Insect screen retracts when not needed, providing an unobstructed view through the glass. Available in 50 exterior colors.

#### PRIVACY OPTIONS

#### Blinds-Between-the-Glass



A 5/8" aluminum slat blind mounted between two panes of insulated glass in a dust-free environment. Available in white, tan and almond. Blinds are magnetically controlled and can be tilted or raised and lowered with one cord." Not available on arch patio doors.

#### **GRILLES**

#### Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8," 7/8," 1 1/8,", 1 1/2,", or 2 1/4" widths and ovolo or contemporary profiles. Ovolo profile shown below, not all widths are pictured.





#### Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8,", 7/8,", 1 1/8,", 1 1/2,", or 2 1/4" widths and ovolo or contemporary profiles. Ovolo profile shown below, not all widths are pictured.



#### Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.





5/8" Flat

Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7%" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



7/8"

See page 22 for more information on grilles.

\*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

\*\*Not all sizes of blinds-between-the-glass are retractable. See your Andersen supplier for details.



### **EXTERIOR & INTERIOR OPTIONS**

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

#### **INTERIOR WOOD SPECIES**















Cherry





Walnut Vertical Grain Alder

Douglas Fir





White Oak

## Douglas Fir **FACTORY-FINISHED INTERIORS**



White







Hickory











Espresso

Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

#### INTERIOR PAINTED OPTIONS







(for paint)











Dove

Gray Grass

Prairie

Red Rock



Bean

Black



Anodized Silver

## HARDWARE OPTIONS



YUMA® Distressed Bronze Distressed Nickel



**ENCINO®** Distressed Bronze Distressed Nickel





Satin Nickel



**ANVERS®** Bright Brass Oil Rubbed Bronze Satin Nickel





**COVINGTON**<sup>®</sup> **Bright Brass** 



Antique Brass

**WHITMORE**<sup>®</sup>



**ALBANY** Black Gold Dust Stone White



TRIBECA® Black Stone White

Bold name denotes finish shown.

#### **HARDWARE FINISHES**



Antique

Brass

Black



Brass





Nickel







Bronze





Nickel

Stone

White

Distressed bronze and oil rubbed bronze is a "living" finish that will change with time and use

Brushed Chrome, Gold Dust and Polished Chrome DISCONTINUED

Bronze

<sup>\*</sup>Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Mix and match interior and exterior style and finish options are available.

Bright brass and satin nickel finishes feature a 10-year limited warranty.

Tribeca and Albany hardware are zinc diecast with powder-coated durable finish, other hardware is solid forged brass.

Printing limitations prevent exact replication of colors and finishes. See your Andersen supplier for actual color and finish samples.

# **Gliding Patio Door Panel Labeling**

#### **Door Panel Options**

Andersen® E-Series offers both contemporary and French panel styles to complement traditional or modern architecture.

Gliding Patio Door Contemporary Panels Gliding Patio Door French Panels SP3 SP1 SP2 SP4 2¾" stiles & rails 411/16" stiles & rails 411/16" stiles, 411/16" top rail 411/16" stiles, 411/16" top rail & 8" bottom rail & 12" bottom rail

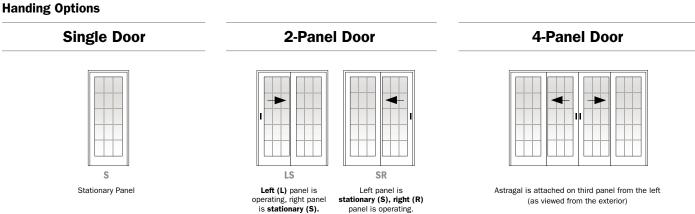
# **Gliding Patio Door Handing**

The door handing and order designation noted below is consistent with the handing of other Andersen® gliding patio doors and is used throughout the remainder of the gliding patio doors section.

#### Identification

As viewed from the exterior, either the left or the right panel operates. The arrow designates the direction of panel operation. Stationary (S) doors can be used as an individual unit or as a sidelight.

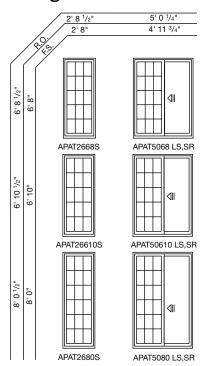
## **Gliding Patio Doors & French Gliding Patio Doors**



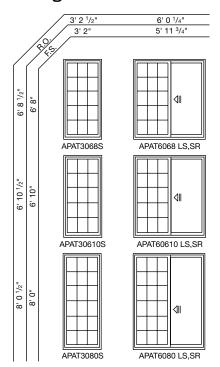
Order Designation Description				
As Viewed From Exterior				
Stationary S				
2-Panel Door	SR			
2-Pariel D00f	LS			
4-Panel Door —				



## **Gliding Patio Door Sizes**



## **Gliding Patio Door Sizes**



#### NOTES

All doors and sidelights use safety/ tempered glass.

Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel gliding patio door.

\*\*4-panel doors are shipped knocked down and require field assembly because of size and weight.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight" Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise experient.

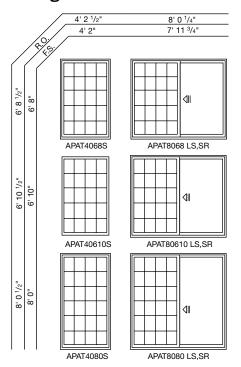
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

#### FORMULA FOR COMBINATION DOORS

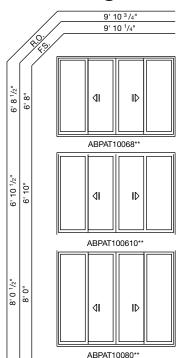
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

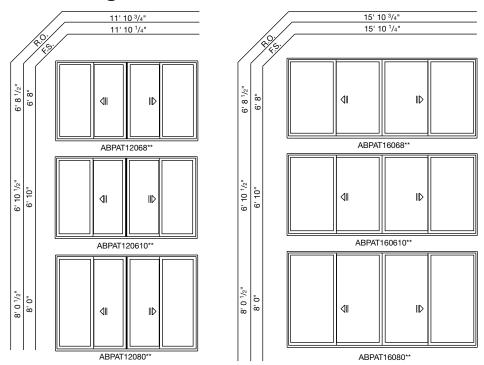
## **Gliding Patio Door Sizes**



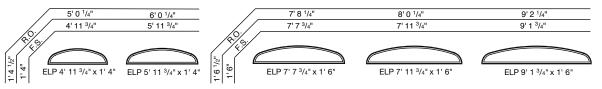
## **4-Panel Gliding Patio Door Sizes**



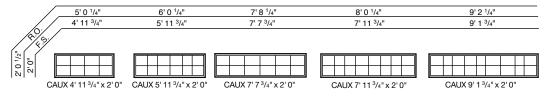
## **4-Panel Gliding Patio Door Sizes**



## Gliding Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



## **Gliding Patio Door Direct-Set Transom Sizes (Specialty Frame)**



#### NOTES

All doors and sidelights use safety/tempered glass.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel gliding patio door.

\*\*4-panel doors are shipped knocked down and require field assembly because of size and weight.

See transom notes on page 149.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns for the gliding door. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

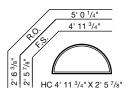
#### FORMULA FOR COMBINATION DOORS

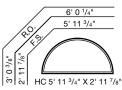
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

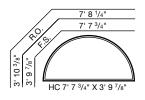
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

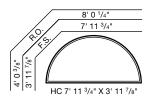


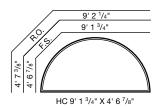
## Gliding Patio Door Direct-Set Half Circle Sizes (Specialty Frame)











#### NOTES

 $4'\,11\mbox{-}3/4"$  wide units are used above 5068, 50610 or 5080 Gliding Patio Doors.

 $5\mbox{'}11\mbox{-}3/4\mbox{"}$  wide units are used above 6068, 60610 or 6080 Gliding Patio Doors.

7'7-3/4" wide units are used above 7668, 76610 or 7680 Gliding Patio Doors.

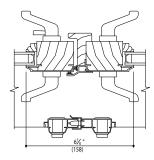
7'11-3/4" wide units are used above 8068, 80610 or 8080 Gliding Patio Doors.

9'1-3/4" wide units are used above 9068, 90610 or 9080 Gliding Patio Doors.

See notes on page 148 for more information.

## **Gliding Patio Doors**

Astragal

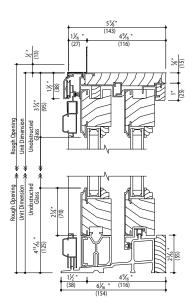


Contemporary door panel shown with ovolo

Dimensions in parentheses are in millimeters.

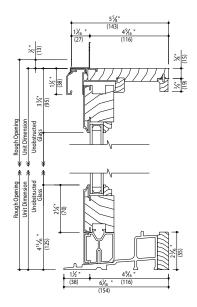
(colonial) glass stops.

## **Gliding Patio Door**

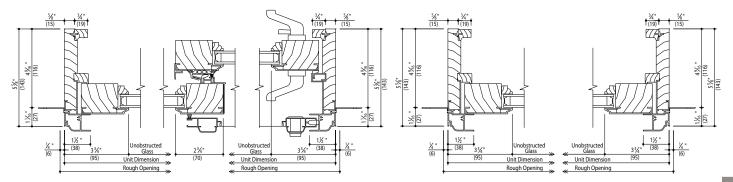


Vertical Section

### **Gliding Patio Door Sidelight**



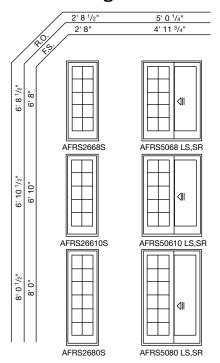
Vertical Section



Horizontal Section

Horizontal Section

## **French Gliding Patio Door Sizes**



#### OTES

All doors and sidelights use safety/tempered glass.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

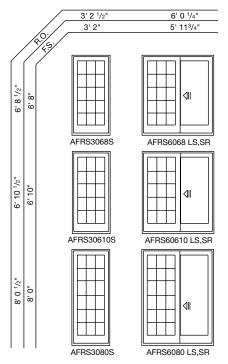
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

#### FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

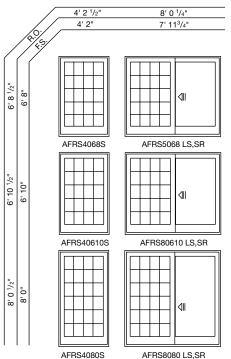
## **French Gliding Patio Door Sizes**

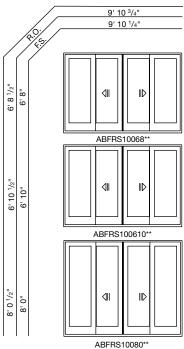




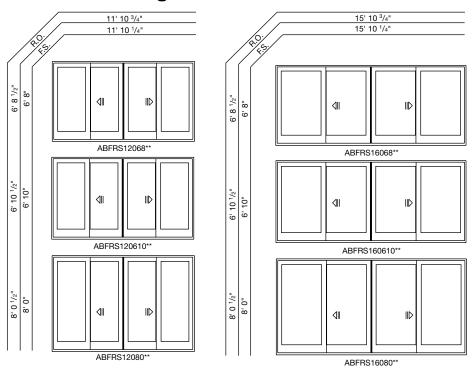
## **French Gliding Patio Door Sizes**

# 4-Panel French Gliding Patio Door Sizes





## **4-Panel French Gliding Patio Door Sizes**



#### NOTES

All doors and sidelights use safety/tempered glass.

Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel French gliding patio door.

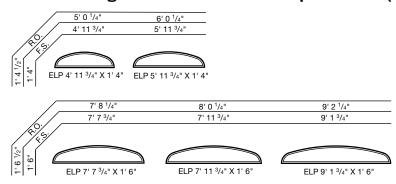
\*\* 4-panel doors are shipped knocked down and require field assembly because of size and weight.

See notes on page 150 for more information.

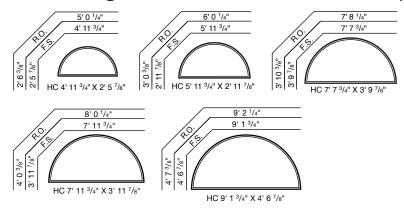
## French Gliding Patio Door Direct-Set Transom Sizes (Specialty Frame)

5' 0 1/4"	6' 0 <sup>1</sup> / <sub>4</sub> "	7' 8 1/4"	8' 0 <sup>1</sup> / <sub>4</sub> "	9' 2 1/4"
4' 11 <sup>3</sup> / <sub>4</sub> "	5' 11 <sup>3</sup> /4"	7' 7 <sup>3</sup> / <sub>4</sub> "	7' 11 <sup>3</sup> / <sub>4</sub> "	9' 1 3/4"
2.0.1½ 2.0.1½ 2.0.0± 2.0.0± 2.0± 2.0± 2.0± 2.0± 2.0±				
CAUX 4' 11 3/4" x 2' 0"	CAUX 5' 11 3/4" x 2' 0"	CAUX 7'73/4" x 2'0"	CAUX 7' 11 3/4" x 2' 0"	CAUX 9' 1 3/4" x 2' 0"

## French Gliding Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



## French Gliding Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



#### NOTES

All doors and sidelights use safety/tempered glass.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

4'11-3/4" wide units are used above 5068, 50610 or 5080 French Gliding Patio Doors.

 $5'\,11\text{-}3/4"$  wide units are used above 6068, 60610 or 6080 French Gliding Patio Doors.

7'7-3/4" wide units are used above 7668, 76610 or 7680 French Gliding Patio Doors.

7'11-3/4" wide units are used above 8068, 80610 or 8080 French Gliding Patio Doors. 9'1-3/4" wide units are used above 9068, 90610 or 9080 French Gliding Patio Doors.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in the gliding door. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

#### FORMULA FOR COMBINATION DOORS

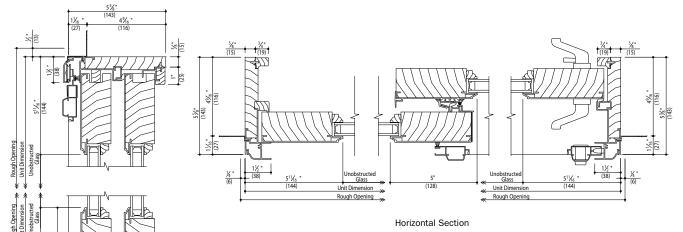
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

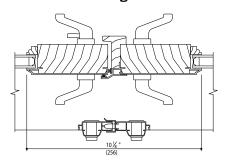


## **French Gliding Patio Doors**

## **French Gliding Patio Door**



## **Astragal**

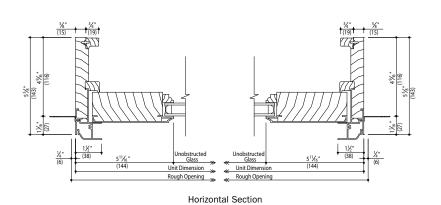


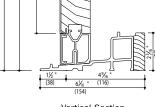
Shown with ovolo (colonial) glass stops. Door panel with 8" bottom rail shown, also available with 12" bottom rail. Dimensions in parentheses are in millimeters.

Vertical Section

10 3/6"

## French Gliding Patio Door Sidelight





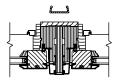
Vertical Section

## **Installation Materials**

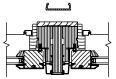
We offer a variety of accessory metals to ensure a coordinated, low-maintenance window or door system. Available in 50 exterior colors at no additional cost, these trims save time on the job site.

## **Joining Components**

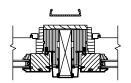
Standard Exterior Mull Cover



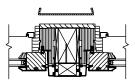
1/2" Exterior Mull Cover



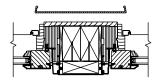
3/4" Exterior Mull Cover



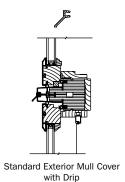
1" Exterior Mull Cover



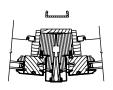
2" Exterior Mull Cover



3-1/2" Exterior Mull Cover



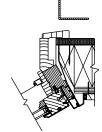
## **Bay and Bow Trim Metals & Applications**



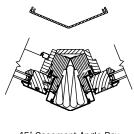
10° Casement Bow Exterior Mull Cover



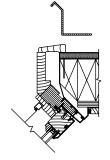
30° Casement Angle Bay Exterior Mull Cover



30° Angle Bay Enclosure



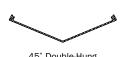
45° Casement Angle Bay Exterior Mull Cover



45° Angle Bay Enclosure



30° Angle Bay Exterior Mull Cover

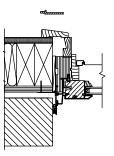


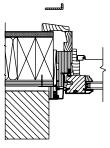
45° Double-Hung Exterior Mull Cover

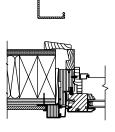
**₩** 



## **Trim Metals & Applications**



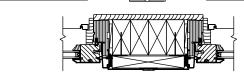




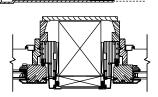
3/4" Frame Extender

3/4" Frame Expander

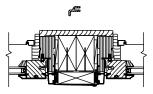
90° Angle Expander



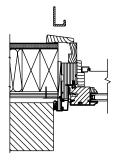
1-1/2" Mull Expander – May be used with adjustable mull covers or frame expanders (vertical joins only)



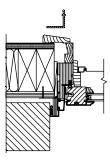
1" - 5" Adjustable Mull Cover and Receiver (vertical join)



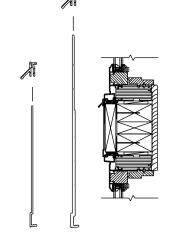
Frame Expander Receiver



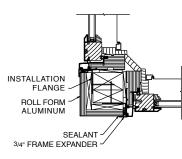
Expander Return



3/4" Frame Enclosure



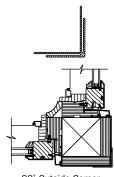
1" - 5" and 5-1/4" - 8" Adjustable Mull Cover and Receiver with Drip Leg (horizontal join)



Corner Post Section of Box Bay Using Roll Form Metal on Corners



5" Frame Expander



90° Outside Corner

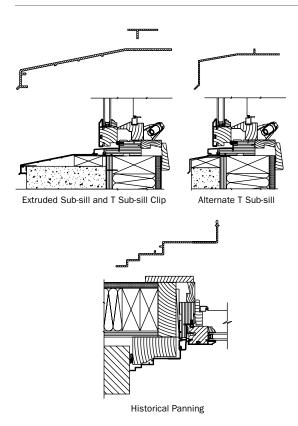
3" Frame Expander

7" Frame Expander

## **Applications Drip Caps & Applications** Expandable Brick Mould Expandable Brick Mould Expandable Flat Casing with Internal Flange with External Flange with External Flange 2" Adjustable Brick Mould 2" Adjustable Brick Mould Receiver Extruded Drip Cap with Installation Flange Sill Nose 3 ½" Backband & Bead Casing 2" Brick Mould 3 1/2" Flat Casing $3^{1}/_{2}$ " Flat Casing End Cap Roll Formed Drip Cap 11/2" Sill Nose End Cap 11/2" Sill Nose 2" Ovolo 31/2" Brick Mould Brick Mould Stucco Flashing (extruded) 5½" Flat Casing 51/2" Flat Casing End Cap 11/2" Deep Sill 11/2" Deep Nose End Cap Radius Drip Cap Sill Nose



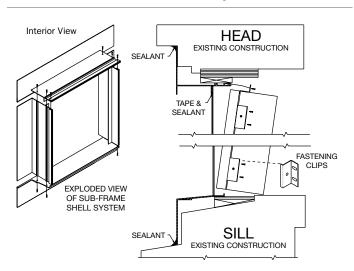
## **Miscellaneous Trim Metals & Applications**



## **Masonry Opening Formulas**

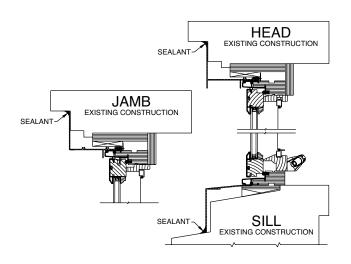
Masonry Opening Formulas Formulas allow 1/4" for backer rod and sealant around entire perimeter				
	WIDTH		Frame + 3 3/4"	
2" Brick Mould		w/ Sill Nose	Frame + 3 1/4"	
2" Ovolo Brick Mould	HEIGHT	4-Sides	Frame + 3 3/4"	
		3-Sides	Frame + 2 1/8"	
	WIDTH		Frame + 6 3/4"	
3 1/2" Flat Casing 3 1/2" Brick Mould	HEIGHT	w/ Sill Nose	Frame + 4 3/4"	
3 1/2" Backband &		4-Sides	Frame + 6 3/4"	
Bead Casing		3-Sides	Frame + 3 5/8"	
	WIDTH		Frame + 10 3/4"	
5 1/2" Flat Casing		w/ Sill Nose	Frame + 6 3/4"	
5 1/2 Flat Gasing	HEIGHT	4-Sides	Frame + 10 3/4"	
		3-Sides	Frame + 5 5/8"	

## **Sub-Frame Shell System**



The E-Series Sub-Frame Shell System is a simple and effective way to meet remodeling needs for residential and commercial projects. Preserving existing buildings and neighborhoods has become increasingly important to our society. And a good, sound, older structure can be as efficient as, if not more efficient than, a new building.

Many E-Series products will work in the Sub-Frame Shell System for remodeling, which means you have unlimited design choices to fit the existing architecture. The Sub-Frame Shell System is a heavy aluminum perimeter-flange sub-frame that covers most existing construction conditions. It can be installed from the inside without costly scaffolding or off-staging.



## PRODUCT PERFORMANCE

## Performance Grade & Air Infiltration Ratings for E-Series Windows & Patio Doors – Dual-Pane & Triple-Pane Glass

For current performance information, please visit andersenwindows.com.

or current performance information, please visit andersen		AAMA/WDMA/CSA 101/I.S.2/A440	+/- Corresponding Design	Air Infiltration
Andersen* Product	Panel Type	Performance Grade (PG)	Pressure (DP)	CFM/FT <sup>2</sup>
Casement Windows				
Stationary (6060)	•	Class CW-PG50-FW Size Tested 72" x 72"	50/50	≤0.2
Venting (2660)	•	Class CW-PG55-C Size Tested 30" x 72" *	55/55	≤0.2
Venting (3028)	-	Class CW-PG55-C Size Tested 36" x 32"	55/55	≤0.2
Venting (3056)	-	Class CW-PG60-C Size Tested 36" x 66"	60/60	≤0.2
Venting, piano hinge (3060)	-	Class CW-PG70-C Size Tested 36" x 72"	70/70	≤0.2
Awning Windows				
Venting (4030)	•	Class LC-PG50-AP Size Tested 48" x 36"	50/50	≤0.2
Venting (4050)	-	Class LC-PG50-AP Size Tested 48" x 60"	50/50	≤0.2
Venting (4056)	-	Class LC-PG65-AP Size Tested 48" x 66"	65/65	≤0.2
Casement & Awning Picture/Transom Windows				
Fixed (46100) dual-pane glass only		Class CW-PG80-FW Size Tested 54" x 120" *	80/80	≤0.2
Fixed (6080) dual-pane glass only	-	Class CW-PG80-FW Size Tested 72" x 96"	80/80	≤0.2
Arch Casement Windows				
Stationary (6060)	-	Class LC-PG50-FW Size Tested 72" x 72"	50/50	≤0.2
Venting (3028)	-	Class CW-PG55-C Size Tested 36" x 32" *	55/55	≤0.2
Venting (3056)	-	Class CW-PG60-C Size Tested 36" x 66"	60/60	≤0.2
Venting (3060)		Class CW-PG70-C Size Tested 36" x 72"	70/70	≤0.2
French Casement Windows				
Venting (5050) dual-pane glass only		Class LC-PG30-C Tested 60" x 60"	30/30	≤0.2
Push Out Casement Windows				
Venting (3034)		Class LC-PG50-C Size Tested 36" x 40"	50/50	≤0.2
Venting (3060)		Closs LC PG50-C Size Tested 36" x 72"	50/50	≤0.2
Push Out Awning Windows	Push Out Casement & Awnir	ng DISCONTINUED		
Venting (3440)		Class LC-PG40-AP Size Tested 40" x 48"	40/40	≤0.2
Venting (4040)		Class LC-PG40-AP Size Tested 48" x 48"	40/40	≤0.2
Double-Hung Full-Frame Windows				
Venting (3470)		Class LC-PG55-H Size Tested 40" x 84"	55/55	≤0.2
Venting (3866)	-	Class LC-PG55-H Size Tested 44" x 78"	55/55	≤0.2
Venting (4060)		Class LC-PG55-H Size Tested 48" x 72"	55/55	≤0.2
Venting (4686)		Class LC-PG30-H Size Tested 54" x 102"	30/30	≤0.2
Double-Hung Picture Full-Frame Windows			30,00	_0.2
Fixed (5066)		Class CW-PG55-FW Size Tested 60" x 78"	55/55	≤0.2
Double-Hung Transom Full-Frame Windows		Glass GW 1 dee 1 W Glass Resided GG X 10	00/00	30.2
Fixed (4040)		Class R-PG55-FW Size Tested 48" x 48"	55/55	≤0.2
Double-Hung Insert Windows		Glass IV-1 disp-1 Wi Size Tested 40 X 40	33/33	30.2
-		Class LC DC20 H Size Tested 44" v 79"	20/20	≤0.2
Venting (3866)	·	Class LC-PG30-H Size Tested 44" x 78"	30/30	≥0.2
Double-Hung Picture Insert Windows		Close CW DCCC EN Cir. Tarted COV. TO	20/20	<0.0
Manuscratel Single Hung Windows	·	Class CW-PG30-FW Size Tested 60" x 78"	30/30	≤0.2
Monumental Single-Hung Windows		0110.0005.1101	05:05	
Venting (40100)	•	Class LC-PG35-H Size Tested 48" x 120"	35/35	≤0.2
Venting (5090)	-	Class LC-PG30-H Size Tested 60" x 108"	30/30	≤0.2

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Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

 This data is accurate as of October 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.

 Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

<sup>\*</sup>Contact your Andersen supplier for more information.

\*Test specimen size is smaller than the North American Fenestration Standard (NAFS) gateway size specified for this product type and performance class.



## Performance Grade & Air Infiltration Ratings for E-Series Windows & Patio Doors - Dual-Pane & Triple-Pane Glass (continued)

For current performance information, please visit andersenwindows.com.

Andersen* Product	Panel Type	AAMA/WDMA/CSA 101/I.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT <sup>2</sup>
Gliding Windows	,			,
Venting, active-stationary (6040)	-	Class CW-PG30-HS Size Tested 72" x 48"	30/30	≤0.2
Venting, active-stationary (6050)	-	Class CW-PG30-HS Size Tested 72" x 60"	30/30	≤0.2
Specialty Windows				
Fixed, rectangle (46120)	-	Class CW-PG55-FW Size Tested 54" x 144" *	55/55	≤0.2
Fixed, rectangle (5080)	-	Class CW-PG75-FW Size Tested 60" x 96"	75/75	≤0.2
Gliding & French Gliding Patio Doors				
Single, stationary (4080)	Contemporary panel with 2 3/4" stiles & rails 1	Class LC-PG50-SLT Size Tested 50" x 96"	50/50	≤0.2
Two-panel (6080)	Contemporary panels with 4 11/16" stiles & rails 2	Class LC-PG50-SD Size Tested 71" x 96"	50/50	≤0.2
Two-panel (8080)	Contemporary panels with 4 $^{11}/_{16}$ " stiles & rails $^{2}$	Class LC-PG40-SD Size Tested 95" x 96"	40/40	≤0.2
Two-panel (8080)	Contemporary panels with 2 3/4" stiles & rails	Class LC-PG30-SD Size Tested 95" x 96"	30/30	≤0.2
Four-panel (12080)	Contemporary panels with 4 11/16" stiles & rails 2	Class LC-PG40-SD Size Tested 142" x 96"	40/40	≤0.2
Four-panel (16080)	Contemporary panels with 2 3/4" stiles & rails 3	Class LC-PG25-SD Size Tested 190" x 96"	25/25	≤0.2
Hinged Inswing Patio Doors & Sidelights				
Single, stationary or sidelight (34100)	French panel with 2 $^3/_4$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail $^{4}$	Class LC-PG45-FD Size Tested 40" x 119.5"	45/60	≤0.2
Single, stationary (34100)	Contemporary panel with 3 $^{11}/_{16}$ " stiles & rails $^{5}$	Class LC-PG45-FD Size Tested 40.5" x 120"	45/50	≤0.2
Single, active (3486)	Contemporary panel with 4 11/16" stiles & rails 6	Class LC-PG45-SHD Size Tested 40" x 102"	45/65	≤0.2
Single, active (3486)	Contemporary panel with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 40.5" x 102"	45/50	≤0.2
Single, active, low threshold sill ** (3486)	Contemporary panel with 3 $^{11}/_{16}$ " stiles & rails $^{5}$	Class LC-PG50-LW SHD Size Tested 40.5" x 101.18"	50/50	≤0.2
Single, active, low threshold sill ** (3486)	French panel with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail 7	Class LC-PG50-LW SHD Size Tested 40" x 101"	50/60	≤0.2
Single, active (34100)	French panel with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail $^{8}$	Class LC-PG45-SHD Size Tested 40" x 119.5"	45/65	≤0.2
Single, active (34100)	Contemporary panel with 3 $^{11}/_{16}$ " stiles & rails $$ 5	Class LC-PG45-SHD Size Tested 40.5" x 120"	45/50	≤0.2
Two-panel, stationary-stationary (6780)	French panels with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail 7	Class LC-PG40-FD Size Tested 79" x 96"	40/40	≤0.2
Two-panel, stationary-stationary (6780)	Contemporary panels with 3 11/16" stiles & rails 5	Class LC-PG40-FD Size Tested 79" x 95.3"	40/40	≤0.2
Two-panel, active-stationary, jamb hinged (6780)	Contemporary panels with 4 $^{11}/_{16}$ " stiles & rails $^{6}$	Class LC-PG45-SHD Size Tested 79" x 96"	45/45	≤0.2
Two-panel, active-stationary, jamb hinged (6780)	Contemporary panels with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 79" x 96"	45/45	≤0.2
Two-panel, active-stationary, astragal hinged (6780)	Contemporary panels with 4 $^{11}/_{16}$ " stiles & rails $^{6}$	Class LC-PG45-SHD Size Tested 79" x 96"	45/45	≤0.2
Two-panel, active-stationary, astragal hinged (6780)	Contemporary panels with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 79" x 96"	45/45	≤0.2
Two-panel, active-passive (6780)	Contemporary panels with 4 11/16" stiles & rails 6	Class LC-PG40-SHD Size Tested 79" x 96"	40/40	≤0.2
Two-panel, active-passive, low threshold sill ** (6786)	Contemporary panels with 3 $^{11}/_{16}$ " stiles & rails $5$	Class LC-PG30-LW SHD Size Tested 79" x 101"	30/30	≤0.2
Two-panel, active-passive (6786)	Contemporary panels with 4 11/16" stiles & rails 9	Class LC-PG30-SHD Size Tested 79" x 102"	30/30	≤0.2
Two-panel, active-passive (6786)	Contemporary panels with 3 11/16" stiles & rails	Class LC-PG30-SHD Size Tested 79" x 101.8"	30/40	≤0.2
Two-panel, active-passive, low threshold sill ** (6786)	French panels with 4 $^{11}/_{16}\mbox{"}$ stiles, 4 $^{11}/_{16}\mbox{"}$ top rail & 8" bottom rail 7	Class LC-PG30-LW SHD Size Tested 79" x 101"	30/30	≤0.2
Two-panel, active-passive (67100)	French panels with 4 $^{11}/_{16}"$ stiles, 4 $^{11}/_{16}"$ top rail & 8" bottom rail $^{8}$	Class LC-PG35-SHD Size Tested 79" x 120"	35/35	≤0.2
Two-panel, active-passive (67100)	Contemporary panels with 3 11/16" stiles & rails 5	Class LC-PG30-SHD Size Tested 79" x 120"	30/40	≤0.2

<sup>• &</sup>quot;Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.
• This data is accurate as of October 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.

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#### Numbered footnotes provide additional panel types for the same patio door, sidelight or transom listed above that are covered by the given test data. Commercial patio door panels, referenced as an additional panel type in the numbered footnotes below, do not include commercial doors with Concealed Panic System (CPS).

- 1 Applies to similar contemporary door panel with 4 11/16" stiles & rails. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail.
- 2 Also applies to French door panels with  $4^{11}/_{16}$ " stiles,  $4^{11}/_{16}$ " top rail and 8" or 12" bottom rail.
- 3 Applies to similar contemporary door panels with 4 11/16" stiles & rails in doors with a unit dimension greater than 12' wide. Also applies to French door panels with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail in doors with a unit dimension greater than 12' wide.
- 4 Applies to similar French sidelight panel with 12" bottom rail; includes comparable commercial panel and similar non-commercial panel with intermediate rail and raised panel insert. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail; includes comparable commercial panel and similar non-commercial panel with intermediate rail and raised panel insert.
- $\boldsymbol{5}\,$  Also applies to contemporary door panel(s) with  $4\,^{11}/_{16}"$  stiles & rails.
- 6 Also applies to French door panel(s) with 4 11/16" stiles, 411/16" top rail and 8" or 12" bottom rail with or without intermediate rail and with or without raised panel insert; includes comparable commercial panel(s).
- 7 Applies to similar French door panel(s) with 12" bottom rail with or without intermediate rail and with or without raised panel insert; includes comparable commercial panel(s).
- 8 Applies to similar French door panel(s) with 12" bottom rail; includes comparable commercial panel(s).
- 9 Also applies to French door panels with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail; includes comparable commercial panels.

<sup>\*</sup>Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

Contact your Andersen supplier for more information.

<sup>\*</sup>Test specimen size is smaller than the North American Fenestration Standard (NAFS) gateway size specified for this product type and performance class.

\*\*Hinged doors with a low threshold sill have limited water performance.

## Performance Grade & Air Infiltration Ratings for E-Series Windows & Patio Doors - Dual-Pane & Triple-Pane Glass (continued)

For current performance information, please visit andersenwindows.com.

Andersen° Product	Panel Type	AAMA/WDMA/CSA 101/I.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT <sup>2</sup>
Hinged Inswing Patio Door Venting Sidelights				
Sidelight, venting (2080)	French panel with 2 $^3$ /4" stiles, 4 $^{11}$ /16" top rail & 8" bottom rail $$ 10	Class CW-PG45-SLT Size Tested 24" x 96"	45/50	≤0.2
Hinged Inswing Patio Door Transoms				
Fixed (6720)	Panel with 2 <sup>3</sup> / <sub>4</sub> " stiles & rails 11	Class CW-PG60-TR Size Tested 79" x 24"	60/60	≤0.2
Arch Hinged Inswing Patio Doors & Sidelights				
Single, stationary or sidelight (3480)	French arch panel with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail 12	Class CW-PG45-FD Size Tested 40" x 96"	45/60	≤0.2
Single, active (3480)	French arch panel with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail 13	Class CW-PG45-SHD Size Tested 40" x 96"	45/55	≤0.2
Two-panel, active-passive (6080)	French unequal leg arch panels with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail $$ 13	Class LC-PG40-SHD Size Tested 72" x 96"	40/40	≤0.2
Hinged Outswing Patio Doors & Sidelights				
Single, stationary or sidelight (2080)	French panel with $2^{3}$ /4" stiles, $4^{11}$ / $_{16}$ " top rail & 8" bottom rail, with intermediate rail at 35" location $^{10}$	Class CW-PG80-SLT Size Tested 24.5" x 95.3"	80/80	≤0.2
Single, stationary or sidelight (21080)	French panel with $2^3/4$ " stiles, $4^{11}/_{16}$ " top rail & 8" bottom rail, with intermediate rail at 35" location & raised panel insert $^{14}$	Class CW-PG75-SLT Size Tested 34.6" x 95.3"	75/75	≤0.2
Single, stationary or sidelight (34100)	French panel with 2 $^3$ /4" stiles, 4 $^{11}$ /16" top rail & 8" bottom rail $$ 15	Class LC-PG75-SLT Size Tested 40" x 119.3"	75/80	≤0.2
Single, stationary (34100)	Contemporary panel with 3 <sup>11</sup> / <sub>16</sub> " stiles & rails <sup>5</sup>	Class LC-PG50-SLT Size Tested 40.5" x 120"	50/50	≤0.2
Single, active (3080)	French panel with $4^{11}/_{16}$ " stiles, $4^{11}/_{16}$ " top rail & 8" bottom rail, with intermediate rail at 35" location & raised panel insert	Class LC-PG60-SHD Size Tested 36.5" x 95.3"	60/60	≤0.2
Single, active (3080)	French panel with 2 $^3$ /4" stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail, with intermediate rail at 23 $^3$ /4" location & raised panel insert	Class LC-PG60-SHD Size Tested 36.5" x 95.3"	60/60	≤0.2
Single, active (3480)	French panel with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail 8	Class LC-PG60 SHD Size Tested 40" x 95"	60/60	≤0.2
Single, active (3480)	French panel with $4^{11}/_{16}$ " stiles, $4^{11}/_{16}$ " top rail & 8" bottom rail, with intermediate rail at 35" location $^{16}$	Class LC-PG60-SHD Size Tested 40" x 95.3"	60/60	≤0.2
Single, active, low threshold sill** (3480)	French panel with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail $^{7}$	Class LC-PG60-LW SHD Size Tested 40" x 94"	60/60	≤0.2
Single, active, low threshold sill** (3480)	Contemporary panel with 3 11/16" stiles & rails 5	Class LC-PG50-LW SHD Size Tested 40.5" x 94.8"	50/50	≤0.2
Single, active (3486)	Contemporary panel with 4 11/16" stiles & rails	Class LC-PG50-SHD Size Tested 40" x 101"	50/50	≤0.2
Single, active (3486)	Contemporary panel with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 40.5" x 101.5"	50/50	≤0.2
Single, active (34100)	French panel with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail 8	Class LC-PG50-SHD Size Tested 40" x 119.3"	50/50	≤0.2
Single, active (34100)	Contemporary panel with 3 $^{11}/_{16}$ " stiles & rails $^{5}$	Class LC-PG45-SHD Size Tested 40.5" x 119.3"	50/50	≤0.2
Two-panel, stationary-stationary (6780)	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 7	Class LC-PG60-FD Size Tested 79" x 95.3"	60/60	≤0.2
Two-panel, stationary-stationary (6780)	Contemporary panels with 3 11/16" stiles & rails 5	Class LC-PG50-FD Size Tested 79" x 96"	50/50	≤0.2

<sup>• &</sup>quot;Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

\*This data is accurate as of October 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.

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Numbered footnotes provide additional panel types for the same patio door, sidelight or transom listed above that are covered by the given test data. Commercial patio door panels, referenced as an additional panel type in the numbered footnotes below, do not include commercial doors with Concealed Panic System (CPS).

- 5 Also applies to contemporary door panel(s) with 4 11/16" stiles & rails.
- 7 Applies to similar French door panel(s) with 12" bottom rail with or without intermediate rail and with or without raised panel insert; includes comparable commercial panel(s).
- 8 Applies to similar French door panel(s) with 12" bottom rail; includes comparable commercial panel(s).
- 10 Also applies to all available panels.
- 11 Also applies to transom panel with 4 11/16" stiles and 2 1/4" rails and transom panel with 4 11/16" stiles and rails; includes all commercial transom panels.
- 12 Applies to similar French door panel with 12" bottom rail; includes arch and unequal leg arch door panel with or without intermediate rail and with or without raised panel insert. Also applies to French sidelight panel with 8" or 12" bottom rail with or without intermediate rail and with or without raised panel insert.
- 13 Also applies to all arch and unequal leg arch door panels with  $4^{\,11}/_{16}$ " stiles
- 14 Applies to similar French sidelight panel with intermediate rail at 23 1/4" location and raised panel insert. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail with intermediate rail with raised panel insert.
- 15 Applies to similar French sidelight panel with 12" bottom rail; includes comparable commercial sidelight panel. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail; includes comparable commercial door panel.
- 16 Applies to similar French door panel with intermediate rail at 23 1/4" location. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 12" bottom rail and intermediate rail; includes comparable commercial door panel

<sup>\*</sup> Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

• Contact your Andersen supplier for more information.

<sup>\*\*</sup>Hinged doors with a low threshold sill have limited water performance.



## Performance Grade & Air Infiltration Ratings for E-Series Windows & Patio Doors - Dual-Pane & Triple-Pane Glass (continued)

For current performance information, please visit andersenwindows.com.

Andersen® Product	Panel Type	AAMA/WDMA/CSA 101/I.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT <sup>2</sup>
Hinged Outswing Patio Doors & Sidelights				
Two-panel, active-passive (6780)	French panels with 4 $^{11}/_{16}\mbox{"}$ stiles, 4 $^{11}/_{16}\mbox{"}$ top rail & 8" bottom rail $$ 7	Class LC-PG60-SHD Size Tested 79" x 95"	60/60	≤0.2
Two-panel, active-passive, low threshold sill ** (6780)	French panels with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail $$ 17	Class LC-PG50-LW SHD Size Tested 79" x 94"	50/50	≤0.2
Two-panel, active-passive, low threshold sill ** (6780)	Contemporary panels with 3 11/16" stiles & rails 5	Class LC-PG40-LW SHD Size Tested 79" x 95"	40/40	≤0.2
Two-panel, active-passive (6786)	Contemporary panels with 4 11/16" stiles & rails	Class LC-PG40-SHD Size Tested 79" x 101"	40/40	≤0.2
Two-panel, active-passive (6786)	Contemporary panels with 3 $^{11}/_{16}$ " stiles & rails	Class LC-PG45-SHD Size Tested 79" x 101.5"	45/45	≤0.2
Two-panel, active-passive (67100)	French panels with 4 $^{11}/_{16}$ stiles, 4 $^{11}/_{16}$ top rail $\&$ 8" bottom rail $^{8}$	Class LC-PG40-SHD Size Tested 79" x 119"	40/40	≤0.2
Two-panel, active-passive (67100)	Contemporary panels with 3 11/16" stiles & rails 5	Class LC-PG30-SHD Size Tested 79" x 120"	30/40	≤0.2
Hinged Outswing Patio Door Venting Sidelights				
Sidelight, venting (2080)	French panel with 2 $^3$ /4" stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail with intermediate rail at 35" location $$ 10	Class CW-PG50 Size Tested 24" x 96"	50/50	≤0.2
Hinged Outswing Patio Door Transoms				
Fixed (6720)	Panel with 2 <sup>3</sup> / <sub>4</sub> " stiles, top rail & bottom rail 10	Class CW-PG80-TR Size Tested 79" x 24"	80/80	≤0.2
Arch Hinged Outswing Patio Doors & Sidelights				
Single, stationary or sidelight (3480)	French arch panel with 4 $^{11}/_{16}$ " stiles, 4 $^{11}/_{16}$ " top rail & 8" bottom rail $$ 12	Class CW-PG80-FD Size Tested 40" x 96"	80/80	≤0.2
Single, active (3480)	French arch panel with 4 $^{11}/_{16}"$ stiles, 4 $^{11}/_{16}"$ top rail & 8" bottom rail $$ 13	Class LC-PG60-SHD Size Tested 40" x 96"	60/60	≤0.2
Two-panel (6080)	French unequal leg arch panels with 4 $^{11}/_{16}"$ stiles, 4 $^{11}/_{16}"$ top rail $\&$ 8" bottom rail $$ 13	Class LC-PG60-SHD Size Tested 79" x 96"	60/60	≤0.2

<sup>• &</sup>quot;Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

Numbered footnotes provide a list of additional panel types for the same patio door, sidelight or transom listed above that are covered by the given test data.

Commercial patio door panels, referenced as an additional panel type in the numbered footnotes below, do not include commercial doors with Concealed Panic System (CPS).

- 5 Also applies to contemporary door panel(s) with 4 11/16" stiles & rails.
- 7 Applies to similar French door panel(s) with 12" bottom rail with or without intermediate rail and with or without raised panel insert; includes comparable commercial panels(s).
- 8 Applies to similar French door panel(s) with 12" bottom rail; includes comparable commercial panel(s).
- 10 Also applies to all available panels.
- 12 Applies to similar French door panel with 12" bottom rail: includes arch and unequal leg arch door panel with or without intermediate rail and with or without raised panel insert. Also applies to French sidelight panel with 8" or 12" bottom rails with or without intermediate rail and with or without raised panel insert.
- 13 Also applies to all arch and unequal leg arch door panels with 4 11/16" stiles.
- 17 Applies to similar French door panel with 12" bottom rail; includes comparable commercial panel. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail with intermediate rail and raised panel insert.

For performance ratings for E-Series products with Stormwatch® Protection, go to andersenwindows.com.

<sup>\*</sup>This data is accurate as of October 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.

<sup>\*</sup>Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

Contact your Andersen supplier for more information.

<sup>\*\*</sup>Hinged doors with a low threshold sill have limited water performance.

## PRODUCT PERFORMANCE

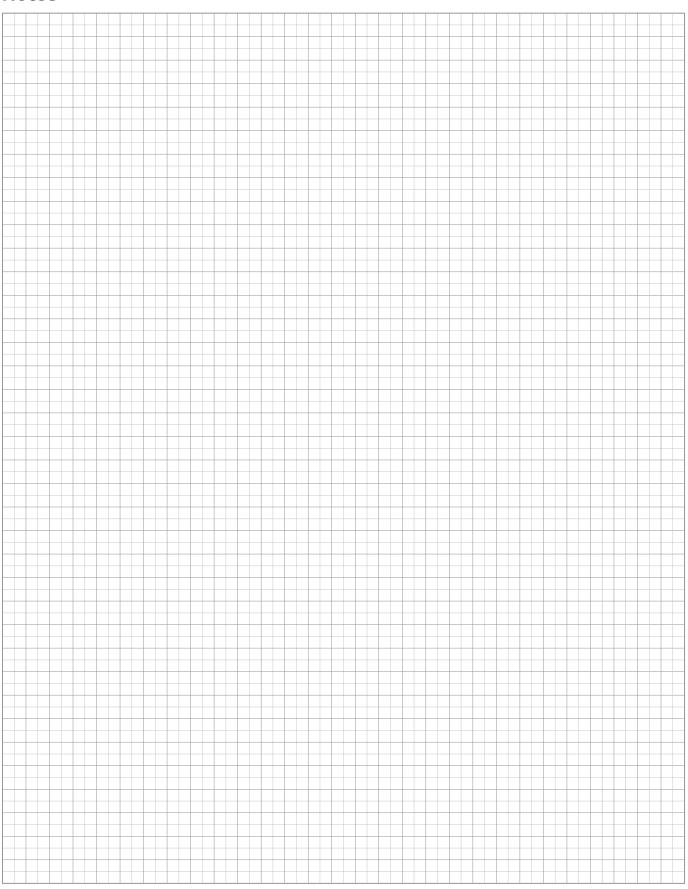
## **Sound Transmission Ratings for E-Series Windows & Patio Doors**

For current performance information, please visit **andersenwindows.com**.

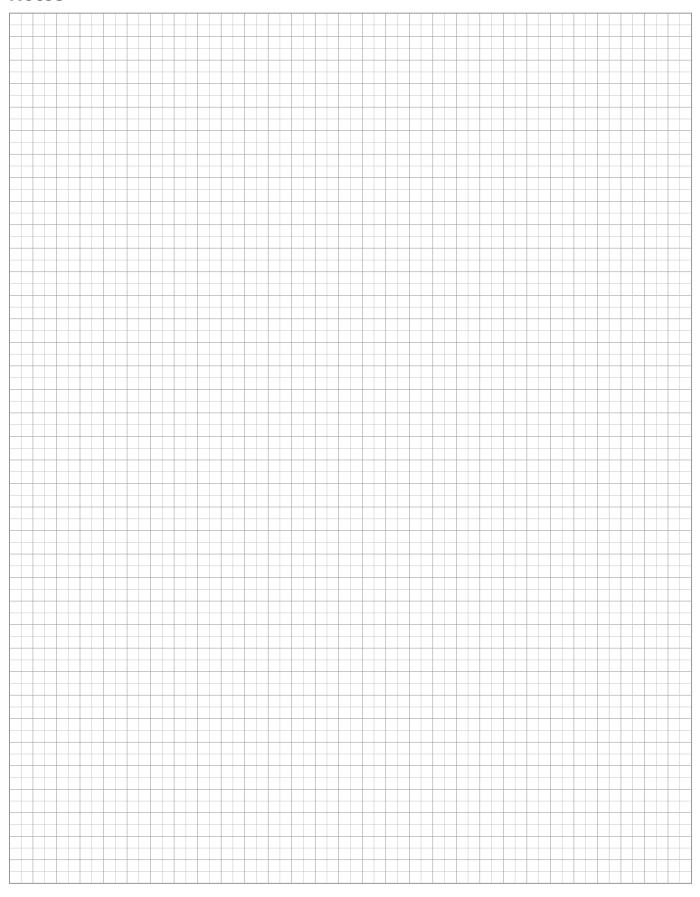
Andersen° Product & Glass Type	Panel Type	Test Size	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)
Casement Windows - Stationary				
Dual-Pane			29	25
Dual-Panel Laminated, 0.030"		48" x 60"	33	29
STC Upgrade			32	29
Casement Windows - Venting				
Dual-Pane Dual-Pane			29	25
Triple-Pane			30	24
Dual-Panel Laminated, 0.030"		24" x 80"	33	29
STC Upgrade			33	28
Double-Hung Windows				
Dual-Pane			28	24
Triple-Pane			28	24
Dual-Panel Laminated, 0.030"		48" x 60"	33	29
STC Upgrade			32	27
Double-Hung Picture Windows			02	
Dual-Pane			31	26
Dual-Panel Laminated, 0.030"		48" x 60"	35	30
STC Upgrade	_	10 % 00	34	30
Specialty Windows			34	
Dual-Pane			28	24
Dual-Panel Laminated, 0.030"		48" x 60"	31	25
STC Upgrade	_		34	29
French Gliding Patio Doors			54	23
Dual-Pane			29	24
Triple-Pane			30	25
Dual-Panel Laminated, 0.030"	French panels with 4 <sup>11</sup> / <sub>16</sub> " stiles, 4 <sup>11</sup> / <sub>16</sub> " top rail & 8" bottom rail	72" x 80"	32	29
STC Upgrade			30	28
Hinged Inswing Patio Doors – Single Panel			30	20
Dual-Pane			31	26
			31	27
Triple-Pane	French panel with 4 <sup>11</sup> / <sub>16</sub> " stiles, 4 <sup>11</sup> / <sub>16</sub> " top rail & 12" bottom rail	37.875" x 84"	33	30
Dual-Panel Laminated, 0.030" STC Upgrade			33	30
			33	30
Hinged Inswing Patio Doors - Two-Panel			30	26
Dual-Pane Triple Pane			31	26
Triple-Pane	French panels with 4 <sup>11</sup> / <sub>16</sub> " stiles, 4 <sup>11</sup> / <sub>16</sub> " top rail & 12" bottom rail	74.812" x 84"		30
Dual-Panel Laminated, 0.030"	_		33	29
STC Upgrade			32	29
Hinged Outswing Patio Doors - Single Panel			20	00
Dual-Pane T. L. D.	_		30	26
Triple-Pane	French panel with 4 <sup>11</sup> / <sub>16</sub> " stiles, 4 <sup>11</sup> / <sub>16</sub> " top rail & 12" bottom rail	37.875" x 84"	31	26
Dual-Panel Laminated, 0.030"			33	30
STC Upgrade			33	30
Hinged Outswing Patio Doors - Two-Panel				
Dual-Pane			29	25
Triple-Pane	French panels with 4 <sup>11</sup> / <sub>16</sub> " stiles, 4 <sup>11</sup> / <sub>16</sub> " top rail & 12" bottom rail	74.812" x 84"	30	26
Dual-Panel Laminated, 0.030"			33	30
STC Upgrade			32	29

<sup>• &</sup>quot;Sound Transmission Class (STC)" & "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.
• This data is accurate as of October 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.
• Contact your Andersen supplier for more information.

## **Notes**



## **Notes**







## PDF NAVIGATION TIPS

Welcome to an overview of the enhanced navigation tools available in this PDF. Here are some simple tips on PDF navigation. Before you begin be sure you are using the latest version of Adobe Acrobat Reader DC, available at – https://get.adobe.com/reader/

To watch a 3-minute tutorial on navigating catalog PDFs, go to: https://youtu.be/sWWnYn60N3Y

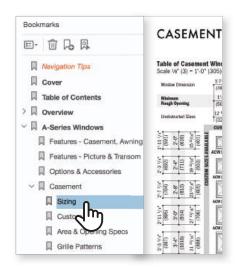
## BOOKMARK NAVIGATION



Acrobat will display the bookmarks panel when you open the PDF.

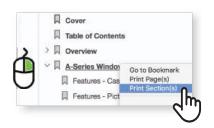
**Bookmarks** are the easiest way to find specific product information.

Select a topic and that page will be displayed.





If you need to print a specific section, right click on that section within in the bookmarks panel and choose "Print Section".



# LINKS AND URL NAVIGATION



You can also use the **embedded links** to navigate between sections. All links are underlined in blue.





Website links automatically open in your web browser.



## **PDF NAVIGATION TIPS** Cont.

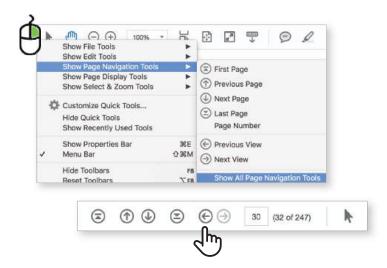
Add additional navigation tools by adjusting the default settings in Acrobat.





To add a "Jump Back" Button to your tool bar. Right click on tool bar, select Show Page Navigation Tools and choose Show All Page Navigation Tools.

Right and left facing arrows are added to the tool bar allowing you to go back or forward to the last page you viewed.





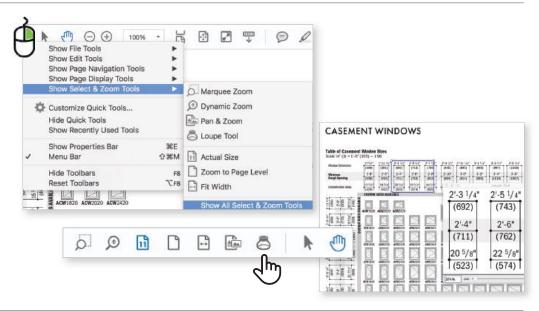
Another helpful tool is the **Loupe Tool**.

It allows you to zoom in on the page without having to increase the page size.

To add a Loupe Tool
to your tool bar, right click
on tool bar, select
Show Select & Zoom Tools

Show All Select & Zoom Tools.

and then choose





You can also use the **commenting tools**. Add a post-it note with your comments or highlight important information.

Be sure to save the file.



To watch a 3-minute tutorial on navigating catalog PDFs, go to: https://youtu.be/sWWnYn60N3Y

We are always looking for ways to improve.

Please send feedback to webmarketing@andersencorp.com.